

AP - 45

# ANNUAL MONITORING REPORT

YEAR(S):

2007



CERTIFIED MAIL  
RETURN RECIEPT NO. 7099 3400 0017 1737 2354

March 20, 2008

Mr. Edward Hansen  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87504

RE: **2007 Annual Groundwater Monitoring Report**  
**EME P-6 Release Site (AP-45)**  
**T20S, R37E, Section 6, Unit Letter P**  
**Lea County , New Mexico**

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2008 MAR 28 PM 1 50

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2007 Annual Groundwater Monitoring Report for the EME P-6 Release Site located in the Eunice-Monument-Eumont (EME) Salt Water Disposal (SWD) System.

ROC is the service provider (agent) for the EME SWD and has no ownership of any portion of pipeline, well, or facility. The EME SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (432) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, PG, REM

cc: KFP, JSC

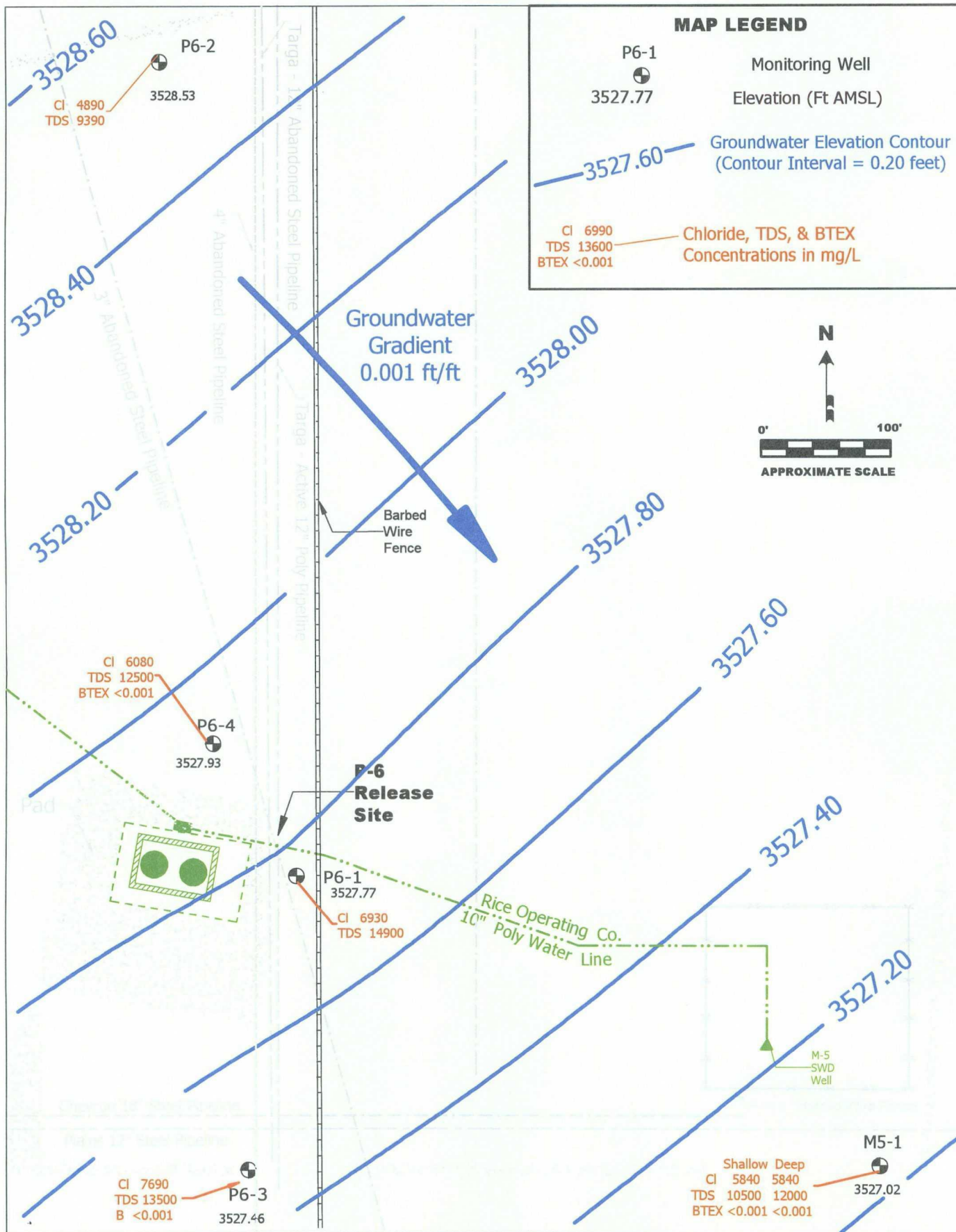
enclosures: maps, table, graphs, well sampling data forms, and laboratory analytical reports

## ATTACHMENT A

Site Maps

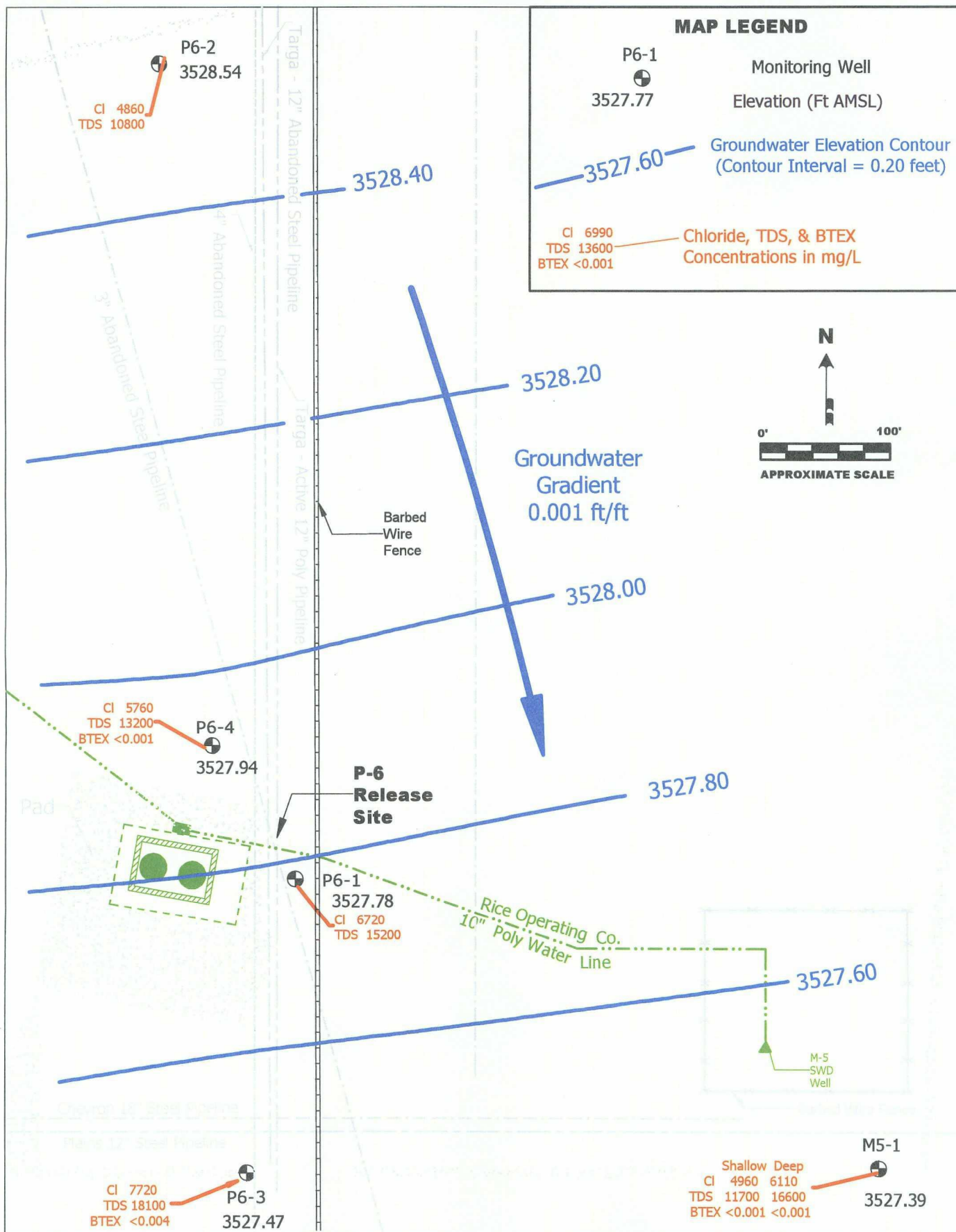
Graphs

Table



EME P-6 Release Site (AP-45)  
T20S - R37E - Section 6 - Unit P  
**RICE** Operating Company

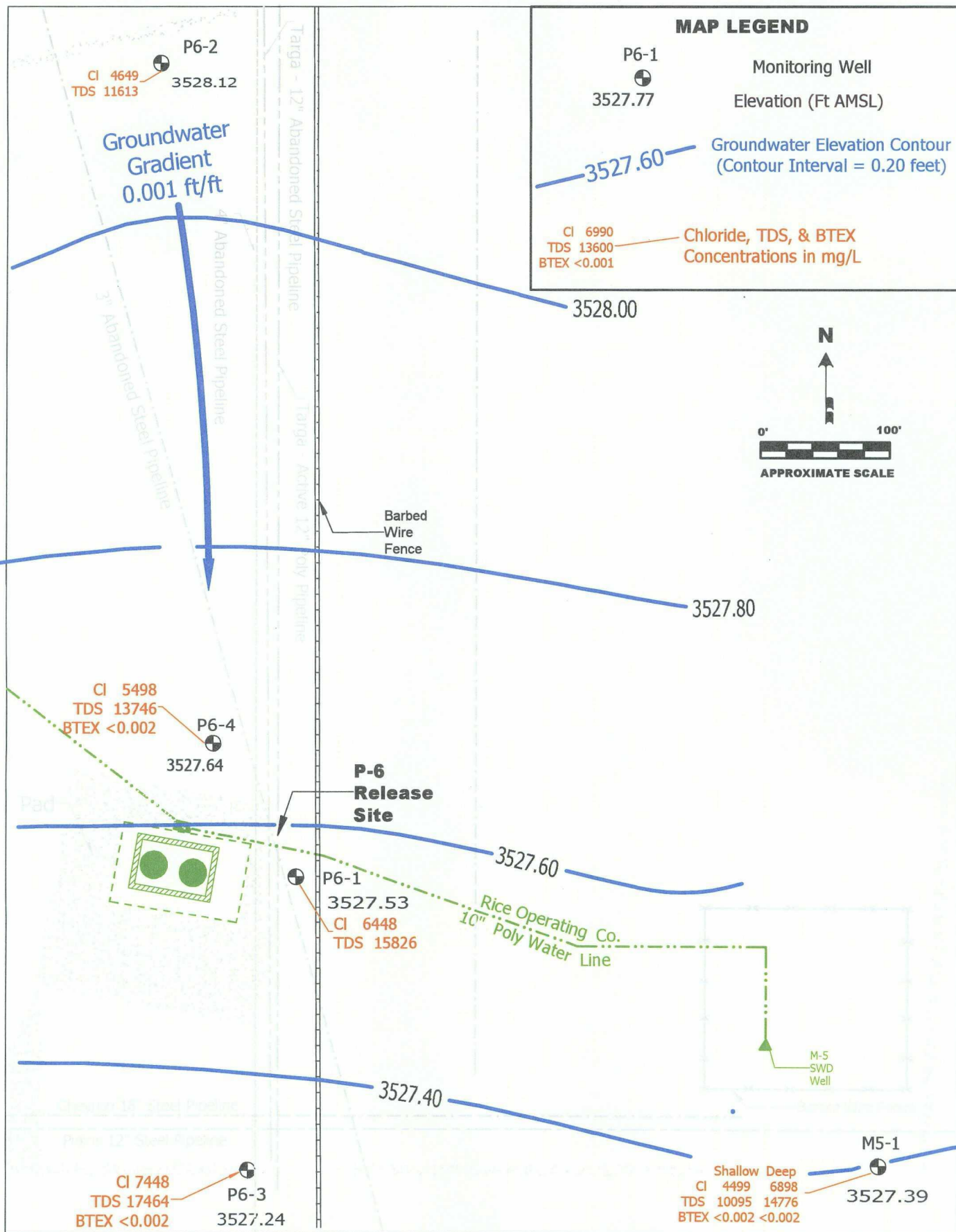
GROUNDWATER GRADIENT AND  
CHLORIDE, TDS, & BTEX  
CONCENTRATION MAP  
FEBRUARY 28, 2007



EME P-6 Release Site (AP-45)  
T20S - R37E - Section 6 - Unit P  
**RICE** Operating Company

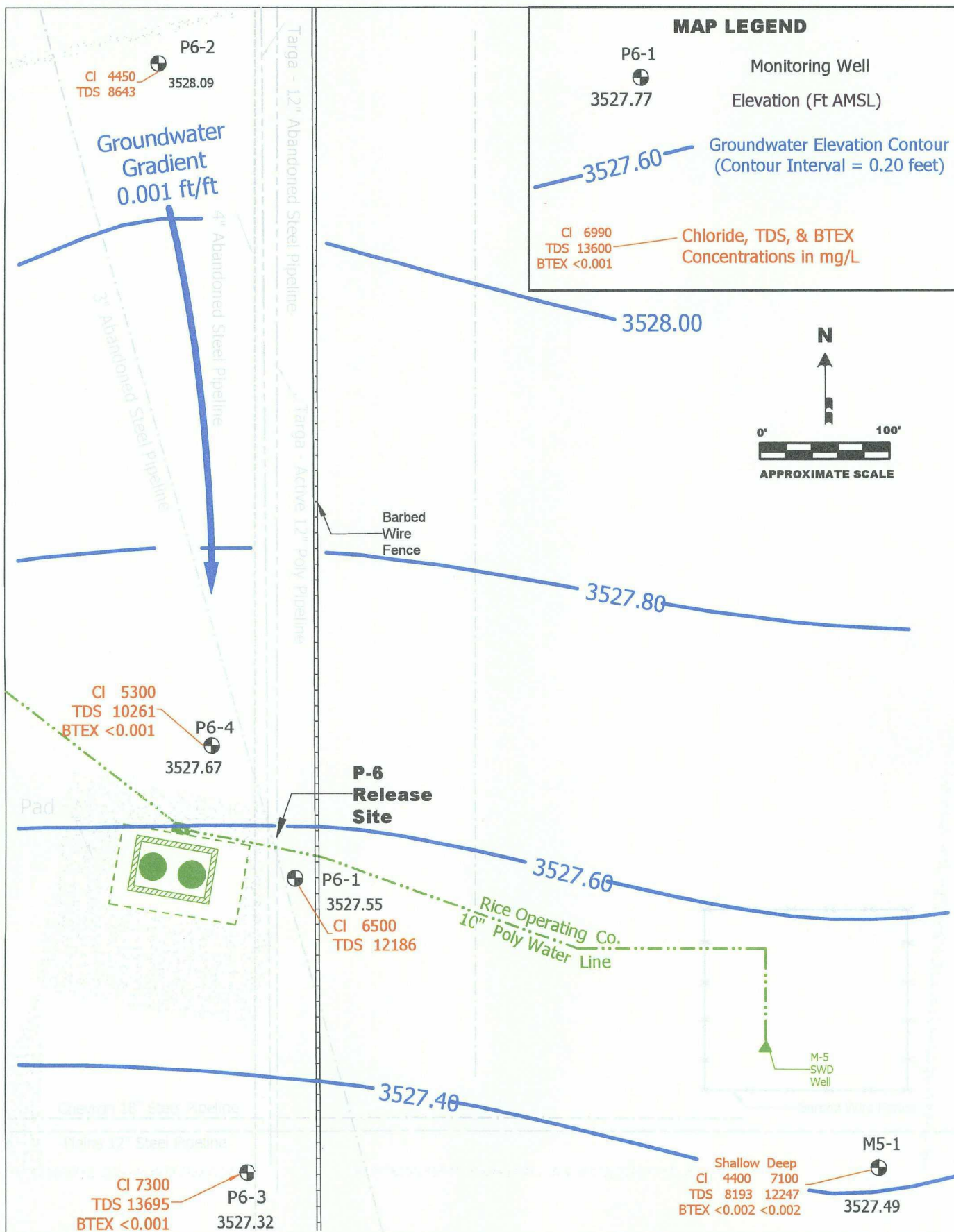
GROUNDWATER GRADIENT AND  
CHLORIDE, TDS, & BTEX  
CONCENTRATION MAP  
JUNE 6, 2007





EME P-6 Release Site (AP-45)  
T20S - R37E - Section 6 - Unit P  
**RICE** Operating Company

GROUNDWATER GRADIENT AND  
CHLORIDE, TDS, & BTEX  
CONCENTRATION MAP  
AUGUST 23, 2007



EME P-6 Release Site (AP-45)  
T20S - R37E - Section 6 - Unit P  
**RICE Operating Company**

GROUNDWATER GRADIENT AND  
CHLORIDE, TDS, & BTEX  
CONCENTRATION MAP  
NOVEMBER 8-9, 2007

Table 1 - Summary of Groundwater Monitoring Results

| Monitoring Well | Sample Date    | Chloride (mg/L) | TDS (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Xylene (mg/L) | Depth to Groundwater (feet BTOC) | Groundwater Elevation (feet AMSL) |
|-----------------|----------------|-----------------|------------|----------------|----------------|---------------------|---------------|----------------------------------|-----------------------------------|
| P6-1            | 01/10/02       | 10,700          | 20,248     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 36.70                            | 3522.39                           |
|                 | 05/14/02       | 8,060           | 18,200     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 36.73                            | 3522.36                           |
|                 | 08/15/02       | 9,570           | 16,900     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 36.95                            | 3522.14                           |
|                 | 11/06/02       | 9,040           | 17,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.15                            | 3521.94                           |
|                 | 02/27/03       | 8,860           | 15,000     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.12                            | 3521.97                           |
|                 | 05/29/03       | 8,680           | 20,000     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.19                            | 3521.90                           |
|                 | 08/21/03       | 8,860           | 17,800     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.43                            | 3521.66                           |
|                 | 11/19/03       | 8,690           | 18,500     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.64                            | 3521.45                           |
|                 | 02/20/04       | 8,510           | 16,600     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.84                            | 3521.25                           |
|                 | 05/06/04       | 8,510           | 17,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.36                            | 3521.73                           |
|                 | 08/10/04       | 9,040           | 17,200     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.03                            | 3522.06                           |
|                 | 11/09/04       | 9,130           | 17,600     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 36.28                            | 3522.81                           |
|                 | 02/07/05       | 8,210           | 17,800     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 33.54                            | 3525.55                           |
|                 | 05/03/05       | 7,090           | 19,300     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.76                            | 3526.33                           |
|                 | 08/11/05       | 9,210           | 16,600     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.81                            | 3526.28                           |
|                 | 11/28/05       | 7,580           | 14,700     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.81                            | 3526.28                           |
|                 | 02/20/06       | 7,510           | 15,500     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.43                            | 3526.66                           |
|                 | 05/16/06       | 8,160           | 15,600     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.44                            | 3526.65                           |
|                 | 08/23/06       | 7,370           | 12,900     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.96                            | 3526.13                           |
|                 | 11/09/06       | 6,700           | 13,200     | ---            | ---            | ---                 | ---           | 31.98                            | 3527.11                           |
|                 | 02/28/07       | 6,930           | 14,900     | ---            | ---            | ---                 | ---           | 31.32                            | 3527.77                           |
| P6-2            | 06/06/07       | 6,720           | 15,200     | ---            | ---            | ---                 | ---           | 31.31                            | 3527.78                           |
|                 | 08/23/07       | 6,448           | 15,826     | ---            | ---            | ---                 | ---           | 31.56                            | 3527.53                           |
|                 | 11/08/07       | 6,500           | 12,186     | ---            | ---            | ---                 | ---           | 31.54                            | 3527.55                           |
|                 | 02/20/04       | 9,040           | 19,700     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.97                            | 3521.73                           |
|                 | 05/06/04       | 8,330           | 16,100     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 37.29                            | 3522.41                           |
|                 | 08/10/04       | 8,240           | 15,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 36.97                            | 3522.73                           |
|                 | 11/09/04       | 7,670           | 15,700     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 35.83                            | 3523.87                           |
|                 | 02/07/05       | 7,030           | 15,300     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.76                            | 3526.94                           |
|                 | 05/03/05       | 6,050           | 14,100     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.29                            | 3527.41                           |
|                 | 08/11/05       | 7,540           | 14,300     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.62                            | 3527.08                           |
|                 | 11/28/05       | 7,660           | 9,170      | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.62                            | 3527.88                           |
|                 | 02/20/06       | 5,620           | 12,600     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.42                            | 3527.28                           |
|                 | 05/16/06       | 6,290           | 11,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.50                            | 3527.20                           |
|                 | 08/23/06       | 5,490           | 9,850      | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 33.03                            | 3526.67                           |
|                 | 11/09/06       | 4,860           | 9,850      | ---            | ---            | ---                 | ---           | 31.79                            | 3527.91                           |
|                 | 02/28/07       | 4,890           | 9,390      | ---            | ---            | ---                 | ---           | 31.17                            | 3528.53                           |
|                 | 06/06/07       | 4,860           | 10,800     | ---            | ---            | ---                 | ---           | 31.16                            | 3528.54                           |
|                 | 08/23/07       | 4,649           | 11,613     | ---            | ---            | ---                 | ---           | 31.58                            | 3528.12                           |
|                 | 11/08/07       | 4,450           | 8,643      | ---            | ---            | ---                 | ---           | 31.61                            | 3528.09                           |
| P6-3            | 08/23/06       | 8,300           | 13,100     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 34.19                            | 3525.89                           |
|                 | 11/09/06       | 7,520           | 14,100     | 0.013          | 0.001          | 0.003               | < 0.001       | 33.32                            | 3526.76                           |
|                 | 02/28/07       | 7,690           | 13,500     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.62                            | 3527.46                           |
|                 | 06/06/07       | 7,720           | 18,100     | < 0.001        | 0.0020         | < 0.001             | 0.001         | 32.61                            | 3527.47                           |
|                 | 08/23/07       | 7,448           | 17,464     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 32.84                            | 3527.24                           |
| P6-4            | 11/08/07       | 7,300           | 13,695     | < 0.001        | < 0.001        | < 0.001             | < 0.003       | 32.76                            | 3527.32                           |
|                 | 08/23/06       | 6,750           | 13,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 33.29                            | 3526.21                           |
|                 | 11/09/06       | 6,070           | 11,900     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.23                            | 3527.27                           |
|                 | 02/28/07       | 6,080           | 12,100     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 31.57                            | 3527.93                           |
|                 | 06/06/07       | 5,760           | 13,200     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 31.56                            | 3527.94                           |
| M5-1 (shallow)  | 08/23/07       | 5,498           | 13,746     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 31.86                            | 3527.64                           |
|                 | 11/08/07       | 5,300           | 10,261     | < 0.001        | < 0.001        | < 0.001             | < 0.003       | 31.83                            | 3527.67                           |
|                 | 12/11/03       | 6,198           | 10,784     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 33.28                            | ---                               |
|                 | 02/20/04       | 5,320           | 14,500     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 33.37                            | 3521.04                           |
|                 | 05/06/04       | 5,940           | 12,400     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 32.79                            | 3521.62                           |
|                 | 08/10/04       | 6,910           | 17,300     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 32.52                            | 3521.89                           |
|                 | 11/09/04       | 7,090           | 14,000     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 31.63                            | 3522.78                           |
|                 | 02/07/05       | 6,710           | 13,200     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.85                            | 3525.56                           |
|                 | 05/03/05       | 6,560           | 16,500     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.10                            | 3526.31                           |
|                 | 08/13/05       | 6,070           | 13,800     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.24                            | 3526.17                           |
|                 | 11/28/05       | 4,500           | 12,300     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.24                            | 3526.17                           |
|                 | 02/20/06       | 5,660           | 12,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.25                            | 3527.16                           |
|                 | 05/16/06       | 7,870           | 14,300     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.81                            | 3526.60                           |
|                 | 08/23/06       | 6,160           | 11,800     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.34                            | 3526.07                           |
|                 | 11/10/06       | 5,840           | 10,500     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.39                            | 3527.02                           |
| M5-1 (deep)     | 02/28/07       | 5,000           | 10,000     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.39                            | 3527.02                           |
|                 | 06/07/07       | 4,960           | 11,700     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 26.53                            | 3527.88                           |
|                 | 08/27/07       | 4,499           | 10,095     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 27.02                            | 3527.39                           |
|                 | 11/09/07       | 4,400           | 8,193      | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 26.92                            | 3527.49                           |
|                 | 12/11/03       | 6,198           | 11,736     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 33.40                            | 3521.11                           |
|                 | 11/28/05       | 5,590           | 11,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.10                            | 3526.41                           |
|                 | 02/20/06       | 6,830           | 14,400     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.87                            | 3526.64                           |
|                 | 05/16/06       | 7,000           | 13,100     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.81                            | 3526.70                           |
|                 | 08/23/06       | 7,100           | 14,100     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 28.44                            | 3526.07                           |
|                 | 11/10/06       | 5,840           | 12,000     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.49                            | 3527.02                           |
| M5-1 (deep)     | 02/28/07       | 6,000           | 12,000     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 27.49                            | 3527.02                           |
|                 | 06/07/07       | 6,110           | 16,600     | < 0.001        | < 0.001        | < 0.001             | < 0.001       | 26.68                            | 3527.83                           |
|                 | 08/27/07       | 6,898           | 14,776     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 27.14                            | 3527.37                           |
|                 | 11/09/07       | 7,100           | 12,247     | < 0.002        | < 0.002        | < 0.002             | < 0.006       | 27.07                            | 3527.44                           |
|                 | WQCC Standards | 250             | 1,000      | 0.01           | 0.75           | 0.75                | 0.62          |                                  |                                   |

Total Dissolved Solids (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L)

Analyses performed by Environmental Lab of Texas, Odessa, TX.

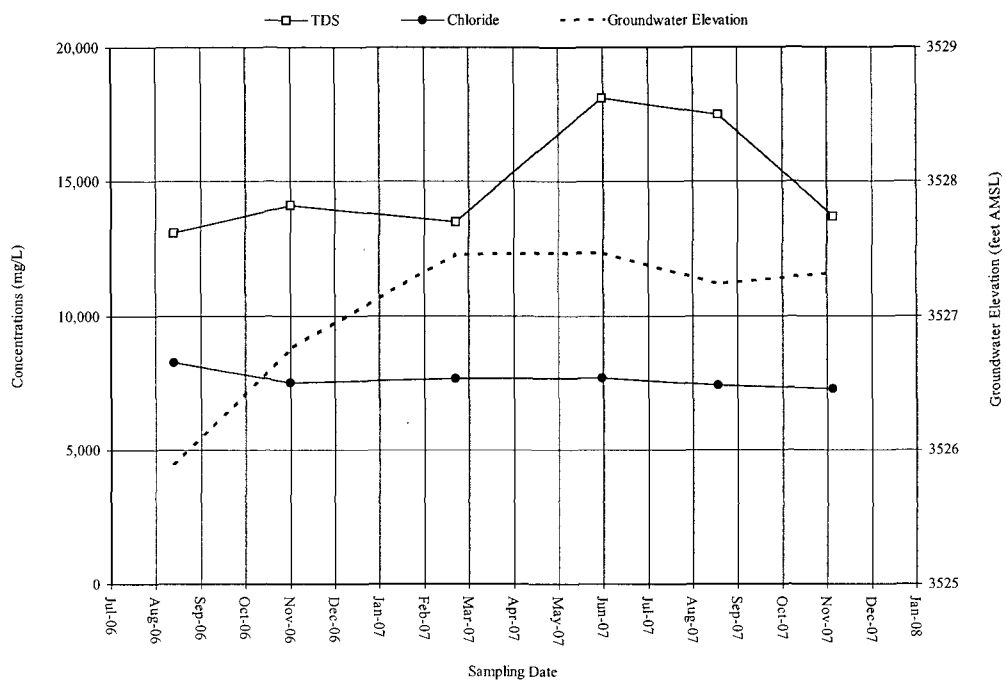
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.

AMSL - Above Mean Sea Level; BTOC - Below Top of Casing

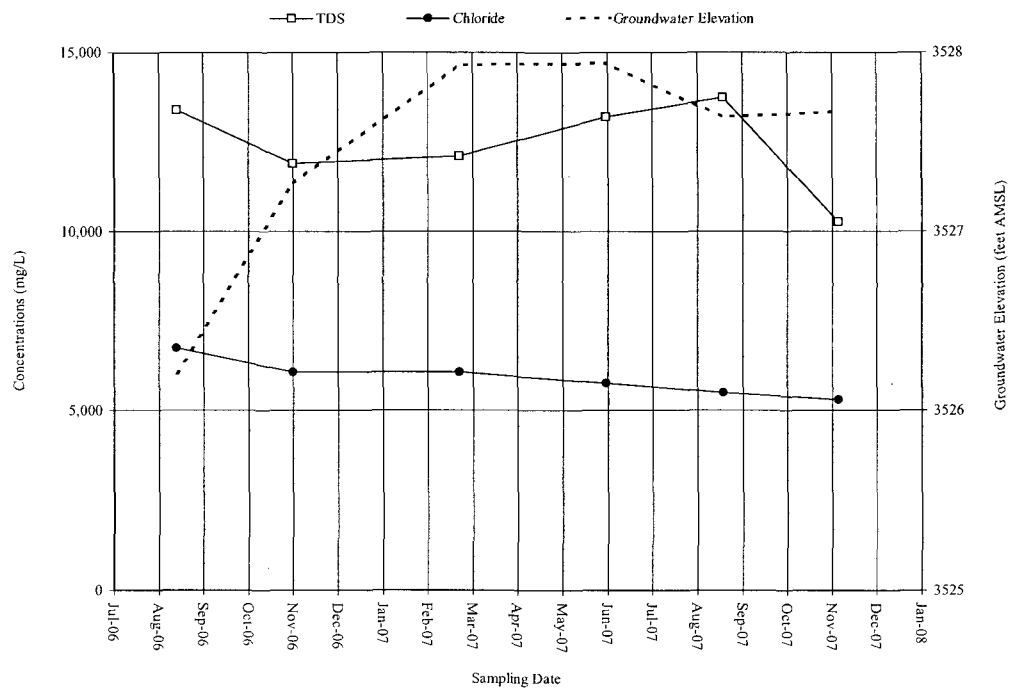
Elevations and state plane coordinates surveyed by Basin Surveys, Hobbs, NM.

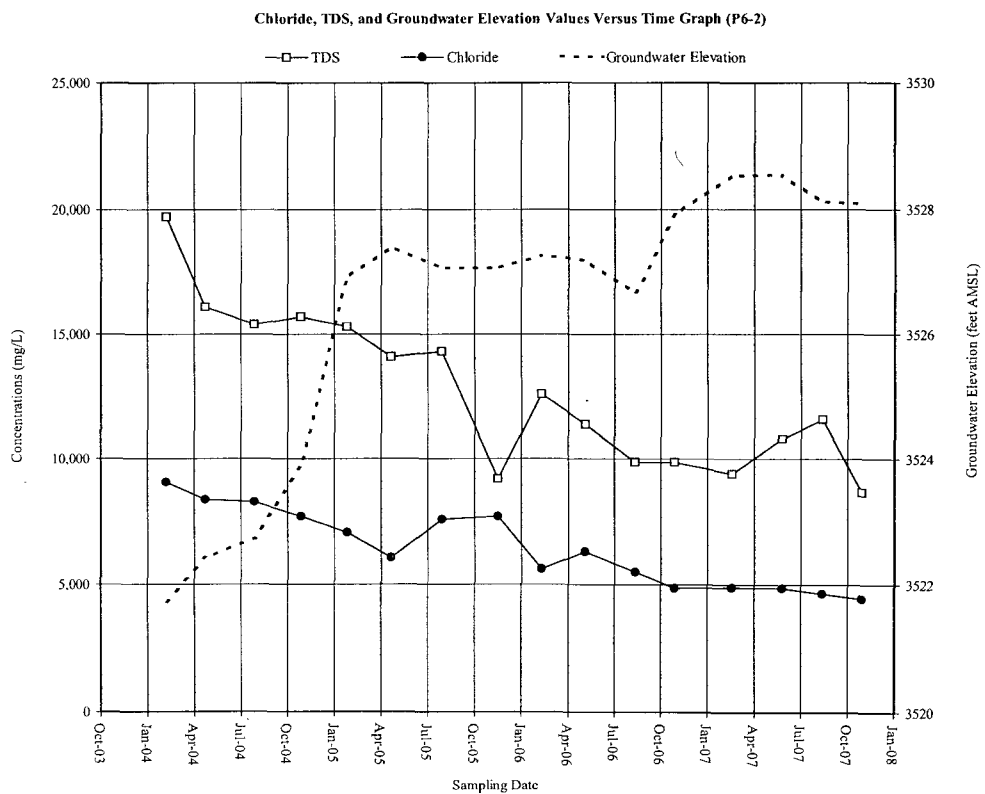
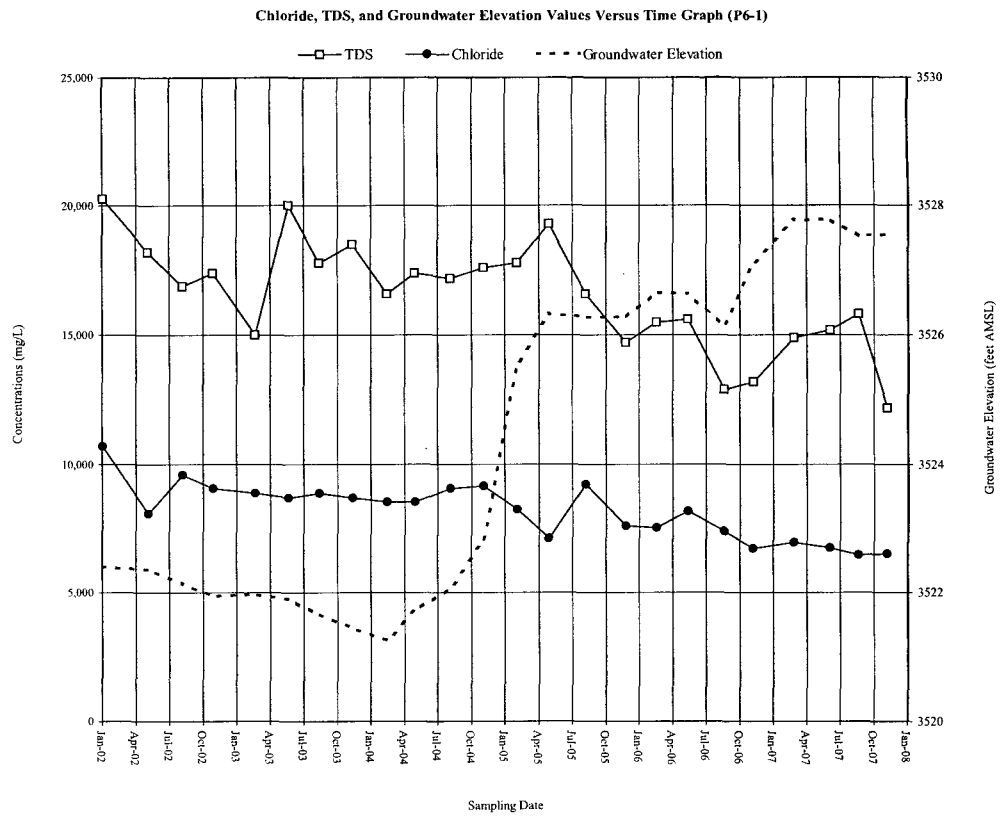


Chloride, TDS, and Groundwater Elevation Values Versus Time Graph (P6-3)



Chloride, TDS, and Groundwater Elevation Values Versus Time Graph (P6-4)



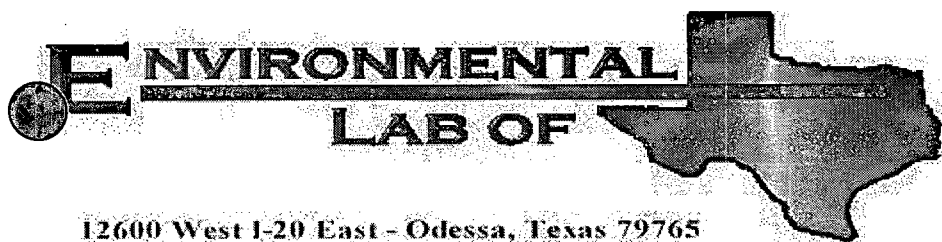


ATTACHMENT B

Laboratory Analytical Reports

And

Chain of Custody Documentation



A Xenco Laboratories Company

12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME P-6 Leak

Project Number: None Given

Location: T20S R37E Sec6 P Lea Co., NM

Lab Order Number: 7C01015

Report Date: 03/09/07

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------------|---------------|--------|----------------|------------------|
| Monitor Well #1 | 7C01015-01    | Water  | 02/28/07 10:00 | 03-01-2007 15:30 |
| Monitor Well #2 | 7C01015-02    | Water  | 02/28/07 09:15 | 03-01-2007 15:30 |
| Monitor Well #3 | 7C01015-03    | Water  | 02/28/07 11:50 | 03-01-2007 15:30 |
| Monitor Well #4 | 7C01015-04    | Water  | 02/28/07 10:55 | 03-01-2007 15:30 |



Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #3 (7C01015-03) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EC70201 | 03/02/07 | 03/07/07 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene |        | 98.6 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 106 %              | 80-120 |          | "       | "        | "        | "         |       |

**Monitor Well #4 (7C01015-04) Water**

|                                           |    |         |        |   |         |          |          |           |  |
|-------------------------------------------|----|---------|--------|---|---------|----------|----------|-----------|--|
| Benzene                                   | ND | 0.00100 | mg/L   | 1 | EC70201 | 03/02/07 | 03/07/07 | EPA 8021B |  |
| Toluene                                   | ND | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Ethylbenzene                              | ND | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Xylene (p/m)                              | ND | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Xylene (o)                                | ND | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene |    | 108 %   | 80-120 |   | "       | "        | "        | "         |  |
| Surrogate: 4-Bromofluorobenzene           |    | 104 %   | 80-120 |   | "       | "        | "        | "         |  |

Environmental Lab of Texas

A Xenco Laboratories Company

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 2 of 10

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result       | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method     | Notes |
|-------------------------------------------|--------------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| <b>Monitor Well #1 (7C01015-01) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>                   | <b>248</b>   | 2.00               | mg/L  | 1        | EC70704 | 03/09/07 | 03/09/07 | EPA 310.1M |       |
| <b>Chloride</b>                           | <b>6930</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>             | <b>14900</b> | 10.0               | "     | 1        | EC70715 | 03/05/07 | 03/08/07 | EPA 160.1  |       |
| <b>Sulfate</b>                            | <b>1390</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Monitor Well #2 (7C01015-02) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>                   | <b>264</b>   | 2.00               | mg/L  | 1        | EC70704 | 03/09/07 | 03/09/07 | EPA 310.1M |       |
| <b>Chloride</b>                           | <b>4890</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>             | <b>9390</b>  | 10.0               | "     | 1        | EC70715 | 03/05/07 | 03/08/07 | EPA 160.1  |       |
| <b>Sulfate</b>                            | <b>1020</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Monitor Well #3 (7C01015-03) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>                   | <b>248</b>   | 2.00               | mg/L  | 1        | EC70704 | 03/09/07 | 03/09/07 | EPA 310.1M |       |
| <b>Chloride</b>                           | <b>7690</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>             | <b>13500</b> | 10.0               | "     | 1        | EC70715 | 03/05/07 | 03/08/07 | EPA 160.1  |       |
| <b>Sulfate</b>                            | <b>1160</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Monitor Well #4 (7C01015-04) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>                   | <b>248</b>   | 2.00               | mg/L  | 1        | EC70704 | 03/09/07 | 03/09/07 | EPA 310.1M |       |
| <b>Chloride</b>                           | <b>6080</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>             | <b>12100</b> | 10.0               | "     | 1        | EC70715 | 03/05/07 | 03/08/07 | EPA 160.1  |       |
| <b>Sulfate</b>                            | <b>1250</b>  | 250                | "     | 500      | EC70717 | 03/07/07 | 03/08/07 | EPA 300.0  |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #1 (7C01015-01) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 1080   | 0.200              | mg/L  | 1        | EC70707 | 03/07/07 | 03/07/07 | EPA 6010B |       |
| Magnesium                                 | 376    | 0.0200             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 48.0   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 2600   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| <b>Monitor Well #2 (7C01015-02) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 812    | 0.200              | mg/L  | 1        | EC70707 | 03/07/07 | 03/07/07 | EPA 6010B |       |
| Magnesium                                 | 296    | 0.0200             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 41.8   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 1880   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (7C01015-03) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 1330   | 0.200              | mg/L  | 1        | EC70707 | 03/07/07 | 03/07/07 | EPA 6010B |       |
| Magnesium                                 | 438    | 0.0200             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 49.0   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 2790   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (7C01015-04) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 927    | 0.200              | mg/L  | 1        | EC70707 | 03/07/07 | 03/07/07 | EPA 6010B |       |
| Magnesium                                 | 327    | 0.0200             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 44.8   | 1.00               | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 2310   | 1.00               | "     | "        | "       | "        | "        | "         |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

**Batch EC70201 - EPA 5030C (GC)**

**Blank (EC70201-BLK1)**

Prepared: 03/02/07 Analyzed: 03/07/07

|                                   |      |         |      |      |  |     |        |  |  |
|-----------------------------------|------|---------|------|------|--|-----|--------|--|--|
| Benzene                           | ND   | 0.00100 | mg/L |      |  |     |        |  |  |
| Toluene                           | ND   | 0.00100 | "    |      |  |     |        |  |  |
| Ethylbenzene                      | ND   | 0.00100 | "    |      |  |     |        |  |  |
| Xylene (p/m)                      | ND   | 0.00100 | "    |      |  |     |        |  |  |
| Xylene (o)                        | ND   | 0.00100 | "    |      |  |     |        |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 55.3 |         | ug/l | 50.0 |  | 111 | 80-120 |  |  |
| Surrogate: 4-Bromofluorobenzene   | 51.6 |         | "    | 50.0 |  | 103 | 80-120 |  |  |

**LCS (EC70201-BS1)**

Prepared: 03/02/07 Analyzed: 03/07/07

|                                   |        |         |      |        |  |      |        |  |  |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|
| Benzene                           | 0.0566 | 0.00100 | mg/L | 0.0500 |  | 113  | 80-120 |  |  |
| Toluene                           | 0.0512 | 0.00100 | "    | 0.0500 |  | 102  | 80-120 |  |  |
| Ethylbenzene                      | 0.0484 | 0.00100 | "    | 0.0500 |  | 96.8 | 80-120 |  |  |
| Xylene (p/m)                      | 0.0955 | 0.00100 | "    | 0.100  |  | 95.5 | 80-120 |  |  |
| Xylene (o)                        | 0.0444 | 0.00100 | "    | 0.0500 |  | 88.8 | 80-120 |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 57.7   |         | ug/l | 50.0   |  | 115  | 80-120 |  |  |
| Surrogate: 4-Bromofluorobenzene   | 54.5   |         | "    | 50.0   |  | 109  | 80-120 |  |  |

**Calibration Check (EC70201-CCV1)**

Prepared: 03/02/07 Analyzed: 03/07/07

|                                   |      |  |      |      |  |      |        |  |  |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|
| Benzene                           | 59.0 |  | ug/l | 50.0 |  | 118  | 80-120 |  |  |
| Toluene                           | 53.4 |  | "    | 50.0 |  | 107  | 80-120 |  |  |
| Ethylbenzene                      | 51.9 |  | "    | 50.0 |  | 104  | 80-120 |  |  |
| Xylene (p/m)                      | 98.7 |  | "    | 100  |  | 98.7 | 80-120 |  |  |
| Xylene (o)                        | 46.6 |  | "    | 50.0 |  | 93.2 | 80-120 |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 58.5 |  | "    | 50.0 |  | 117  | 80-120 |  |  |
| Surrogate: 4-Bromofluorobenzene   | 59.0 |  | "    | 50.0 |  | 118  | 80-120 |  |  |

**Matrix Spike (EC70201-MS1)**

Source: 7C02009-01

Prepared: 03/02/07 Analyzed: 03/07/07

|                                   |        |         |      |        |    |      |        |  |      |
|-----------------------------------|--------|---------|------|--------|----|------|--------|--|------|
| Benzene                           | 0.0588 | 0.00100 | mg/L | 0.0500 | ND | 118  | 80-120 |  |      |
| Toluene                           | 0.0535 | 0.00100 | "    | 0.0500 | ND | 107  | 80-120 |  |      |
| Ethylbenzene                      | 0.0537 | 0.00100 | "    | 0.0500 | ND | 107  | 80-120 |  |      |
| Xylene (p/m)                      | 0.101  | 0.00100 | "    | 0.100  | ND | 101  | 80-120 |  |      |
| Xylene (o)                        | 0.0474 | 0.00100 | "    | 0.0500 | ND | 94.8 | 80-120 |  |      |
| Surrogate: a,a,a-Trifluorotoluene | 61.8   |         | ug/l | 50.0   |    | 124  | 80-120 |  | S-04 |
| Surrogate: 4-Bromofluorobenzene   | 62.8   |         | "    | 50.0   |    | 126  | 80-120 |  | S-04 |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EC70201 - EPA 5030C (GC)**

**Matrix Spike Dup (EC70201-MSD1)**

**Source: 7C02009-01**

**Prepared: 03/02/07 Analyzed: 03/07/07**

|                                   |        |         |      |        |    |      |        |      |    |      |
|-----------------------------------|--------|---------|------|--------|----|------|--------|------|----|------|
| Benzene                           | 0.0564 | 0.00100 | mg/L | 0.0500 | ND | 113  | 80-120 | 4.33 | 20 |      |
| Toluene                           | 0.0521 | 0.00100 | "    | 0.0500 | ND | 104  | 80-120 | 2.84 | 20 |      |
| Ethylbenzene                      | 0.0533 | 0.00100 | "    | 0.0500 | ND | 107  | 80-120 | 0.00 | 20 |      |
| Xylene (p/m)                      | 0.0999 | 0.00100 | "    | 0.100  | ND | 99.9 | 80-120 | 1.10 | 20 |      |
| Xylene (o)                        | 0.0468 | 0.00100 | "    | 0.0500 | ND | 93.6 | 80-120 | 1.27 | 20 |      |
| Surrogate: a,a,a-Trifluorotoluene | 61.4   |         | ug/l | 50.0   |    | 123  | 80-120 |      |    | S-04 |
| Surrogate: 4-Bromofluorobenzene   | 63.4   |         | "    | 50.0   |    | 127  | 80-120 |      |    | S-04 |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|--------------|-------|

**Batch EC70704 - General Preparation (WetChem)**

**Blank (EC70704-BLK1)**

Prepared & Analyzed: 03/09/07

|                        |    |       |      |  |  |  |  |  |
|------------------------|----|-------|------|--|--|--|--|--|
| Total Alkalinity       | ND | 2.00  | mg/L |  |  |  |  |  |
| Carbonate Alkalinity   | ND | 0.100 | "    |  |  |  |  |  |
| Bicarbonate Alkalinity | ND | 2.00  | "    |  |  |  |  |  |
| Hydroxide Alkalinity   | ND | 0.100 | "    |  |  |  |  |  |

**LCS (EC70704-BS1)**

Prepared & Analyzed: 03/09/07

|                        |     |      |      |     |      |        |  |  |
|------------------------|-----|------|------|-----|------|--------|--|--|
| Total Alkalinity       | 170 | 2.00 | mg/L |     |      | 85-115 |  |  |
| Bicarbonate Alkalinity | 170 | 2.00 | "    | 200 | 85.0 | 85-115 |  |  |

**Duplicate (EC70704-DUP1)**

Source: 7C01005-01

Prepared & Analyzed: 03/09/07

|                        |      |       |      |  |      |  |      |    |
|------------------------|------|-------|------|--|------|--|------|----|
| Total Alkalinity       | 100  | 2.00  | mg/L |  | 110  |  | 9.52 | 20 |
| Carbonate Alkalinity   | 0.00 | 0.100 | "    |  | 0.00 |  |      | 20 |
| Bicarbonate Alkalinity | 0.00 | 2.00  | "    |  | 0.00 |  |      | 20 |
| Hydroxide Alkalinity   | 0.00 | 0.100 | "    |  | 0.00 |  |      | 20 |

**Reference (EC70704-SRM1)**

Prepared & Analyzed: 03/09/07

|                  |     |  |      |     |      |        |  |  |
|------------------|-----|--|------|-----|------|--------|--|--|
| Total Alkalinity | 246 |  | mg/L | 250 | 98.4 | 90-110 |  |  |
|------------------|-----|--|------|-----|------|--------|--|--|

**Batch EC70715 - General Preparation (WetChem)**

**Blank (EC70715-BLK1)**

Prepared: 03/05/07 Analyzed: 03/08/07

|                        |    |      |      |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|

**Duplicate (EC70715-DUP1)**

Source: 7C01013-01

Prepared: 03/05/07 Analyzed: 03/08/07

|                        |      |      |      |  |      |  |      |    |
|------------------------|------|------|------|--|------|--|------|----|
| Total Dissolved Solids | 4630 | 10.0 | mg/L |  | 4520 |  | 2.40 | 20 |
|------------------------|------|------|------|--|------|--|------|----|

**Duplicate (EC70715-DUP2)**

Source: 7C01015-04

Prepared: 03/05/07 Analyzed: 03/08/07

|                        |       |      |      |  |       |  |      |    |
|------------------------|-------|------|------|--|-------|--|------|----|
| Total Dissolved Solids | 12500 | 10.0 | mg/L |  | 12100 |  | 3.25 | 20 |
|------------------------|-------|------|------|--|-------|--|------|----|

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte                                              | Result | Reporting<br>Limit | Units | Spike<br>Level                        | Source<br>Result | %REC                                  | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|------------------------------------------------------|--------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|----------------|-------|--------------|-------|
| <b>Batch EC70717 - General Preparation (WetChem)</b> |        |                    |       |                                       |                  |                                       |                |       |              |       |
| <b>Blank (EC70717-BLK1)</b>                          |        |                    |       | Prepared: 03/07/07 Analyzed: 03/08/07 |                  |                                       |                |       |              |       |
| Chloride                                             | ND     | 0.500              | mg/L  |                                       |                  |                                       |                |       |              |       |
| Sulfate                                              | ND     | 0.500              | "     |                                       |                  |                                       |                |       |              |       |
| <b>LCS (EC70717-BS1)</b>                             |        |                    |       | Prepared: 03/07/07 Analyzed: 03/08/07 |                  |                                       |                |       |              |       |
| Chloride                                             | 9.11   | 0.500              | mg/L  | 10.0                                  |                  | 91.1                                  | 80-120         |       |              |       |
| Sulfate                                              | 9.86   | 0.500              | "     | 10.0                                  |                  | 98.6                                  | 80-120         |       |              |       |
| <b>Calibration Check (EC70717-CCV1)</b>              |        |                    |       | Prepared: 03/07/07 Analyzed: 03/08/07 |                  |                                       |                |       |              |       |
| Chloride                                             | 8.24   |                    | mg/L  | 10.0                                  |                  | 82.4                                  | 80-120         |       |              |       |
| Sulfate                                              | 11.7   |                    | "     | 10.0                                  |                  | 117                                   | 80-120         |       |              |       |
| <b>Duplicate (EC70717-DUP1)</b>                      |        |                    |       | Source: 7B28002-05                    |                  | Prepared: 03/07/07 Analyzed: 03/08/07 |                |       |              |       |
| Sulfate                                              | 0.766  | 0.500              | mg/L  |                                       | 0.755            |                                       |                | 1.45  | 20           |       |
| Chloride                                             | 0.823  | 0.500              | "     |                                       | 0.811            |                                       |                | 1.47  | 20           |       |
| <b>Duplicate (EC70717-DUP2)</b>                      |        |                    |       | Source: 7C01014-01                    |                  | Prepared: 03/07/07 Analyzed: 03/08/07 |                |       |              |       |
| Sulfate                                              | 4410   | 250                | mg/L  |                                       | 4360             |                                       |                | 1.14  | 20           |       |
| Chloride                                             | 11300  | 250                | "     |                                       | 11400            |                                       |                | 0.881 | 20           |       |
| <b>Matrix Spike (EC70717-MS1)</b>                    |        |                    |       | Source: 7B28002-05                    |                  | Prepared: 03/07/07 Analyzed: 03/08/07 |                |       |              |       |
| Sulfate                                              | 9.35   | 0.500              | mg/L  | 10.0                                  | 0.755            | 86.0                                  | 80-120         |       |              |       |
| Chloride                                             | 9.17   | 0.500              | "     | 10.0                                  | 0.811            | 83.6                                  | 80-120         |       |              |       |
| <b>Matrix Spike (EC70717-MS2)</b>                    |        |                    |       | Source: 7C01014-01                    |                  | Prepared: 03/07/07 Analyzed: 03/08/07 |                |       |              |       |
| Chloride                                             | 17500  | 250                | mg/L  | 5000                                  | 11400            | 122                                   | 80-120         |       |              | M1    |
| Sulfate                                              | 9950   | 250                | "     | 5000                                  | 4360             | 112                                   | 80-120         |       |              |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EC70707 - 6010B/No Digestion**

**Blank (EC70707-BLK1)**

Prepared & Analyzed: 03/07/07

|           |    |        |      |  |  |  |  |  |  |  |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium   | ND | 0.0810 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.0360 | "    |  |  |  |  |  |  |  |
| Potassium | ND | 0.0600 | "    |  |  |  |  |  |  |  |
| Sodium    | ND | 0.0430 | "    |  |  |  |  |  |  |  |

**LCS (EC70707-BS1)**

Prepared & Analyzed: 03/07/07

|           |      |  |      |      |  |      |        |  |  |  |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium   | 1.00 |  | mg/L | 1.00 |  | 100  | 85-115 |  |  |  |
| Magnesium | 1.04 |  | "    | 1.00 |  | 104  | 85-115 |  |  |  |
| Potassium | 9.88 |  | "    | 10.0 |  | 98.8 | 85-115 |  |  |  |
| Sodium    | 9.92 |  | "    | 11.0 |  | 90.2 | 85-115 |  |  |  |

**LCS Dup (EC70707-BSD1)**

Prepared & Analyzed: 03/07/07

|           |      |  |      |      |  |      |        |       |    |  |
|-----------|------|--|------|------|--|------|--------|-------|----|--|
| Calcium   | 1.01 |  | mg/L | 1.00 |  | 101  | 85-115 | 0.995 | 20 |  |
| Magnesium | 1.05 |  | "    | 1.00 |  | 105  | 85-115 | 0.957 | 20 |  |
| Potassium | 9.97 |  | "    | 10.0 |  | 99.7 | 85-115 | 0.907 | 20 |  |
| Sodium    | 10.0 |  | "    | 11.0 |  | 90.9 | 85-115 | 0.803 | 20 |  |

**Matrix Spike (EC70707-MS1)**

Source: 7C01014-01RE1

Prepared & Analyzed: 03/07/07

|           |      |  |      |      |      |     |        |  |  |    |
|-----------|------|--|------|------|------|-----|--------|--|--|----|
| Calcium   | 118  |  | mg/L | 2.00 | 116  | 100 | 75-125 |  |  |    |
| Magnesium | 50.7 |  | "    | 2.00 | 47.1 | 180 | 75-125 |  |  | M1 |
| Potassium | 42.8 |  | "    | 20.0 | 14.3 | 142 | 75-125 |  |  | M1 |
| Sodium    | 317  |  | "    | 22.0 | 235  | 373 | 75-125 |  |  | M1 |

**Matrix Spike Dup (EC70707-MSD1)**

Source: 7C01014-01RE1

Prepared & Analyzed: 03/07/07

|           |      |  |      |      |      |     |        |       |    |    |
|-----------|------|--|------|------|------|-----|--------|-------|----|----|
| Calcium   | 123  |  | mg/L | 2.00 | 116  | 350 | 75-125 | 4.15  | 20 | M1 |
| Magnesium | 51.9 |  | "    | 2.00 | 47.1 | 240 | 75-125 | 2.34  | 20 | M1 |
| Potassium | 42.9 |  | "    | 20.0 | 14.3 | 143 | 75-125 | 0.233 | 20 | M1 |
| Sodium    | 322  |  | "    | 22.0 | 235  | 395 | 75-125 | 1.56  | 20 | M1 |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 3/9/2007

Brent Barron, Laboratory Director/Corp. Technical Director  
Celey D. Keene, Org. Tech Director  
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer  
Jeanne Mc Murrey, Inorg. Tech Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Name: EME P-6 Leak

Project #:

Project Loc: T20S R37E Sec6 P ~ Lea County New Mexico

PO#

Fax No: (505) 397-1471

fax No: (505) 397-1471  
e-mail: [rozanne@valornet.com](mailto:rozanne@valornet.com)

e-mail: [rozanne@valor.net.com](mailto:rozanne@valor.net.com)

ORDER #: 7C01015  
(lab use only)

|                                                                                                                                                                                                                                                                                                                                                                                      |  |                       |                     |                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|---------------------|----------------------|--|
| <b>Special Instructions:</b>                                                                                                                                                                                                                                                                                                                                                         |  |                       |                     |                      |  |
| Please email to :                                                                                                                                                                                                                                                                                                                                                                    |  | kpoep@riceswd.com     | matt@riceswd.com    | rozanne@valornet.com |  |
|                                                                                                                                                                                                                                                                                                                                                                                      |  | jpurvis@riceswd.com   |                     |                      |  |
| <b>Relinquished by:</b>                                                                                                                                                                                                                                                                                                                                                              |  | Date<br><b>3-1-07</b> | Time<br><b>3:30</b> | Received by:         |  |
| Rozanne Johnson                                                                                                                                                                                                                                                                                                                                                                      |  | Date                  | Time                | Received by:         |  |
| <b>Relinquished by:</b>                                                                                                                                                                                                                                                                                                                                                              |  | Date                  | Time                | Received by:         |  |
|                                                                                                                                                                                                                                                                                                                                                                                      |  | Date                  | Time                | Received by:         |  |
| <b>Laboratory Comments:</b><br>Sample Containers Intact? _____<br>VOCs Free of Headspace? _____<br>Labels on Container(s) _____<br>Custody seals on container(s) _____<br>Custody seals on cooler(s) _____<br>Sample Hand Delivered _____<br>by Sample Client Rep.? _____<br>by Courier? _____ UPS _____ DHL _____ FedEx _____ Lone Star _____<br>Temperature Upon Receipt: _____ °C |  |                       |                     |                      |  |

Please email to : [kpope@riceswd.com](mailto:kpope@riceswd.com)

matt@riceswd.com

tozanne@valornet.com

### Sample Containers: Intact?

purvis@riceswd.com Date: Time:

Received by:

Time

3-107 330

1

2

| Date | Time |
|------|------|
|------|------|

Received by:

Time

| Date | Time |
|------|------|
|------|------|

Received by E

Time

[illegible]

30

**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client: Pine Op.

Date/ Time: 2/1/07 3:30

Lab ID #: 7C01015

Initials: OK

**Sample Receipt Checklist**

Client Initials

|                                                            |            |    |                          |  |
|------------------------------------------------------------|------------|----|--------------------------|--|
| #1 Temperature of container/ cooler?                       | Yes        | No | 1.0 °C                   |  |
| #2 Shipping container in good condition?                   | <u>Yes</u> | No |                          |  |
| #3 Custody Seals intact on shipping container/ cooler?     | <u>Yes</u> | No | Not Present              |  |
| #4 Custody Seals intact on sample bottles/ container?      | <u>Yes</u> | No | Not Present              |  |
| #5 Chain of Custody present?                               | <u>Yes</u> | No |                          |  |
| #6 Sample instructions complete of Chain of Custody?       | <u>Yes</u> | No |                          |  |
| #7 Chain of Custody signed when relinquished/ received?    | <u>Yes</u> | No |                          |  |
| #8 Chain of Custody agrees with sample label(s)?           | <u>Yes</u> | No | ID written on Cont./ Lid |  |
| #9 Container label(s) legible and intact?                  | <u>Yes</u> | No | Not Applicable           |  |
| #10 Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No |                          |  |
| #11 Containers supplied by ELOT?                           | <u>Yes</u> | No |                          |  |
| #12 Samples in proper container/ bottle?                   | <u>Yes</u> | No | See Below                |  |
| #13 Samples properly preserved?                            | <u>Yes</u> | No | See Below                |  |
| #14 Sample bottles intact?                                 | <u>Yes</u> | No |                          |  |
| #15 Preservations documented on Chain of Custody?          | <u>Yes</u> | No |                          |  |
| #16 Containers documented on Chain of Custody?             | <u>Yes</u> | No |                          |  |
| #17 Sufficient sample amount for indicated test(s)?        | <u>Yes</u> | No | See Below                |  |
| #18 All samples received within sufficient hold time?      | <u>Yes</u> | No | See Below                |  |
| #19 Subcontract of sample(s)?                              | Yes        | No | Not Applicable           |  |
| #20 VOC samples have zero headspace?                       | <u>Yes</u> | No | Not Applicable           |  |

**Variance Documentation**

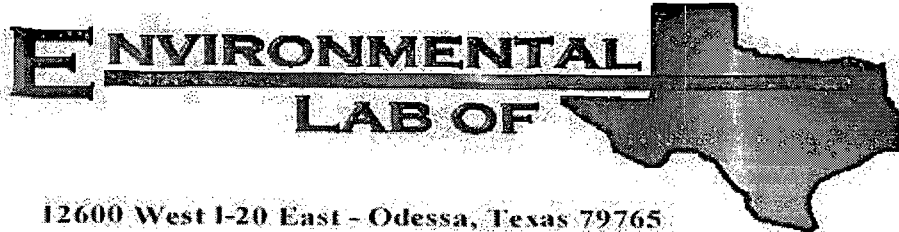
Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event



12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

## Analytical Report

**Prepared for:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME P-6 Leak

Project Number: None Given

Location: T20S R37E Sec6 P ~ Lea County New Mexico

Lab Order Number: 7F11010

Report Date: 06/27/07

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| P6-1      | 7F11010-01    | Water  | 06/06/07 13:15 | 06-11-2007 16:30 |
| P6-2      | 7F11010-02    | Water  | 06/06/07 12:30 | 06-11-2007 16:30 |
| P6-3      | 7F11010-03    | Water  | 06/06/07 14:45 | 06-11-2007 16:30 |
| P6-4      | 7F11010-04    | Water  | 06/06/07 14:00 | 06-11-2007 16:30 |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                           | Result       | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------------|--------------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>P6-3 (7F11010-03) Water</b>    |              |                    |        |          |         |          |          |           |       |
| Benzene                           | ND           | 0.00100            | mg/L   | 1        | EF71202 | 06/12/07 | 06/14/07 | EPA 8021B |       |
| Toluene                           | 0.00201      | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                      | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                      | J [0.000852] | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                        | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene |              | 104 %              | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene   |              | 90.2 %             | 80-120 |          | "       | "        | "        | "         |       |

**P6-4 (7F11010-04) Water**

|                                   |         |         |        |   |         |          |          |           |  |
|-----------------------------------|---------|---------|--------|---|---------|----------|----------|-----------|--|
| Benzene                           | ND      | 0.00100 | mg/L   | 1 | EF71202 | 06/12/07 | 06/14/07 | EPA 8021B |  |
| Toluene                           | 0.00113 | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Ethylbenzene                      | ND      | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Xylene (p/m)                      | ND      | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Xylene (o)                        | ND      | 0.00100 | "      | " | "       | "        | "        | "         |  |
| Surrogate: a,a,a-Trifluorotoluene |         | 98.4 %  | 80-120 |   | "       | "        | "        | "         |  |
| Surrogate: 4-Bromofluorobenzene   |         | 89.0 %  | 80-120 |   | "       | "        | "        | "         |  |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                        | Result       | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method     | Notes |
|--------------------------------|--------------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| <b>P6-1 (7F11010-01) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>        | <b>320</b>   | 2.00               | mg/L  | 1        | EF71403 | 06/14/07 | 06/14/07 | EPA 310.1M |       |
| <b>Chloride</b>                | <b>6720</b>  | 250                | "     | 500      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>  | <b>15200</b> | 10.0               | "     | 1        | EF71519 | 06/12/07 | 06/15/07 | EPA 160.1  |       |
| <b>Sulfate</b>                 | <b>1060</b>  | 250                | "     | 500      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>P6-2 (7F11010-02) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>        | <b>290</b>   | 2.00               | mg/L  | 1        | EF71403 | 06/14/07 | 06/14/07 | EPA 310.1M |       |
| <b>Chloride</b>                | <b>4860</b>  | 100                | "     | 200      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>  | <b>10800</b> | 10.0               | "     | 1        | EF71519 | 06/12/07 | 06/15/07 | EPA 160.1  |       |
| <b>Sulfate</b>                 | <b>722</b>   | 100                | "     | 200      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>P6-3 (7F11010-03) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>        | <b>300</b>   | 2.00               | mg/L  | 1        | EF71403 | 06/14/07 | 06/14/07 | EPA 310.1M |       |
| <b>Chloride</b>                | <b>7720</b>  | 100                | "     | 200      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>  | <b>18100</b> | 10.0               | "     | 1        | EF71519 | 06/12/07 | 06/15/07 | EPA 160.1  |       |
| <b>Sulfate</b>                 | <b>907</b>   | 100                | "     | 200      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>P6-4 (7F11010-04) Water</b> |              |                    |       |          |         |          |          |            |       |
| <b>Total Alkalinity</b>        | <b>310</b>   | 2.00               | mg/L  | 1        | EF71403 | 06/14/07 | 06/14/07 | EPA 310.1M |       |
| <b>Chloride</b>                | <b>5760</b>  | 100                | "     | 200      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |
| <b>Total Dissolved Solids</b>  | <b>13200</b> | 10.0               | "     | 1        | EF71519 | 06/12/07 | 06/15/07 | EPA 160.1  |       |
| <b>Sulfate</b>                 | <b>933</b>   | 100                | "     | 200      | EF71504 | 06/15/07 | 06/15/07 | EPA 300.0  |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                        | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>P6-1 (7F11010-01) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                        | 940    | 40.5               | mg/L  | 500      | EF71902 | 06/19/07 | 06/19/07 | EPA 6010B |       |
| Magnesium                      | 346    | 3.60               | "     | 100      | "       | "        | "        | "         |       |
| Potassium                      | 30.9   | 0.600              | "     | 10       | "       | "        | "        | "         |       |
| Sodium                         | 2940   | 21.5               | "     | 500      | "       | "        | "        | "         |       |
| <b>P6-2 (7F11010-02) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                        | 687    | 40.5               | mg/L  | 500      | EF71902 | 06/19/07 | 06/19/07 | EPA 6010B |       |
| Magnesium                      | 249    | 3.60               | "     | 100      | "       | "        | "        | "         |       |
| Potassium                      | 27.6   | 0.600              | "     | 10       | "       | "        | "        | "         |       |
| Sodium                         | 2140   | 21.5               | "     | 500      | "       | "        | "        | "         |       |
| <b>P6-3 (7F11010-03) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                        | 1090   | 40.5               | mg/L  | 500      | EF71902 | 06/19/07 | 06/19/07 | EPA 6010B |       |
| Magnesium                      | 348    | 3.60               | "     | 100      | "       | "        | "        | "         |       |
| Potassium                      | 29.3   | 0.600              | "     | 10       | "       | "        | "        | "         |       |
| Sodium                         | 3300   | 21.5               | "     | 500      | "       | "        | "        | "         |       |
| <b>P6-4 (7F11010-04) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                        | 817    | 40.5               | mg/L  | 500      | EF71902 | 06/19/07 | 06/19/07 | EPA 6010B |       |
| Magnesium                      | 283    | 3.60               | "     | 100      | "       | "        | "        | "         |       |
| Potassium                      | 30.1   | 0.600              | "     | 10       | "       | "        | "        | "         |       |
| Sodium                         | 3140   | 21.5               | "     | 500      | "       | "        | "        | "         |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EF71202 - EPA 5030C (GC)**

**Blank (EF71202-BLK1)**

Prepared: 06/12/07 Analyzed: 06/13/07

|                                   |      |         |      |      |  |      |        |  |  |  |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene                           | ND   | 0.00100 | mg/L |      |  |      |        |  |  |  |
| Toluene                           | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Ethylbenzene                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (p/m)                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (o)                        | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 50.1 |         | ug/l | 50.0 |  | 100  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 47.4 |         | "    | 50.0 |  | 94.8 | 80-120 |  |  |  |

**LCS (EF71202-BS1)**

Prepared: 06/12/07 Analyzed: 06/13/07

|                                   |        |         |      |        |  |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene                           | 0.0512 | 0.00100 | mg/L | 0.0500 |  | 102  | 80-120 |  |  |  |
| Toluene                           | 0.0524 | 0.00100 | "    | 0.0500 |  | 105  | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0519 | 0.00100 | "    | 0.0500 |  | 104  | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0991 | 0.00100 | "    | 0.100  |  | 99.1 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0545 | 0.00100 | "    | 0.0500 |  | 109  | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 50.6   |         | ug/l | 50.0   |  | 101  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 51.6   |         | "    | 50.0   |  | 103  | 80-120 |  |  |  |

**Calibration Check (EF71202-CCV1)**

Prepared: 06/12/07 Analyzed: 06/14/07

|                                   |        |  |      |        |  |      |        |  |  |  |
|-----------------------------------|--------|--|------|--------|--|------|--------|--|--|--|
| Benzene                           | 0.0528 |  | mg/L | 0.0500 |  | 106  | 80-120 |  |  |  |
| Toluene                           | 0.0524 |  | "    | 0.0500 |  | 105  | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0497 |  | "    | 0.0500 |  | 99.4 | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0942 |  | "    | 0.100  |  | 94.2 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0528 |  | "    | 0.0500 |  | 106  | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 53.9   |  | ug/l | 50.0   |  | 108  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 49.3   |  | "    | 50.0   |  | 98.6 | 80-120 |  |  |  |

**Matrix Spike (EF71202-MS1)**

Source: 7F08009-05

Prepared: 06/12/07 Analyzed: 06/14/07

|                                   |        |         |      |        |          |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|----------|------|--------|--|--|--|
| Benzene                           | 0.0523 | 0.00100 | mg/L | 0.0500 | ND       | 105  | 80-120 |  |  |  |
| Toluene                           | 0.0533 | 0.00100 | "    | 0.0500 | 0.000631 | 105  | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0493 | 0.00100 | "    | 0.0500 | ND       | 98.6 | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0983 | 0.00100 | "    | 0.100  | ND       | 98.3 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0546 | 0.00100 | "    | 0.0500 | ND       | 109  | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 52.9   |         | ug/l | 50.0   |          | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 49.1   |         | "    | 50.0   |          | 98.2 | 80-120 |  |  |  |

Environmental Lab of Texas

A Xenco Laboratories Company

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EF71202 - EPA 5030C (GC)**

| Matrix Spike Dup (EF71202-MSD1)   | Source: 7F08009-05 |         |      | Prepared: 06/12/07 Analyzed: 06/14/07 |          |      |        |      |    |  |
|-----------------------------------|--------------------|---------|------|---------------------------------------|----------|------|--------|------|----|--|
| Benzene                           | 0.0510             | 0.00100 | mg/L | 0.0500                                | ND       | 102  | 80-120 | 2.90 | 20 |  |
| Toluene                           | 0.0522             | 0.00100 | "    | 0.0500                                | 0.000631 | 103  | 80-120 | 1.92 | 20 |  |
| Ethylbenzene                      | 0.0507             | 0.00100 | "    | 0.0500                                | ND       | 101  | 80-120 | 2.40 | 20 |  |
| Xylene (p/m)                      | 0.0964             | 0.00100 | "    | 0.100                                 | ND       | 96.4 | 80-120 | 1.95 | 20 |  |
| Xylene (o)                        | 0.0534             | 0.00100 | "    | 0.0500                                | ND       | 107  | 80-120 | 1.85 | 20 |  |
| Surrogate: a,a,a-Trifluorotoluene | 51.9               |         | ug/l | 50.0                                  |          | 104  | 80-120 |      |    |  |
| Surrogate: 4-Bromofluorobenzene   | 48.2               |         | "    | 50.0                                  |          | 96.4 | 80-120 |      |    |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EF71403 - General Preparation (WetChem)**

**Blank (EF71403-BLK1)**

Prepared & Analyzed: 06/14/07

Total Alkalinity ND 2.00 mg/L

**LCS (EF71403-BS1)**

Prepared & Analyzed: 06/14/07

Bicarbonate Alkalinity 170 2.00 mg/L 200 85.0 85-115

**Duplicate (EF71403-DUP1)**

Source: 7F11010-01

Prepared & Analyzed: 06/14/07

Total Alkalinity 320 2.00 mg/L 320 0.00 20

**Reference (EF71403-SRM1)**

Prepared & Analyzed: 06/14/07

Total Alkalinity 250 mg/L 250 100 90-110

**Batch EF71504 - General Preparation (WetChem)**

**Blank (EF71504-BLK1)**

Prepared & Analyzed: 06/15/07

Sulfate ND 0.500 mg/L

Chloride ND 0.500 "

**LCS (EF71504-BS1)**

Prepared & Analyzed: 06/15/07

Sulfate 10.1 0.500 mg/L 10.0 101 80-120

Chloride 9.83 0.500 " 10.0 98.3 80-120

**Calibration Check (EF71504-CCV1)**

Prepared & Analyzed: 06/15/07

Chloride 9.07 mg/L 10.0 90.7 80-120

Sulfate 12.0 " 10.0 120 80-120

**Duplicate (EF71504-DUP1)**

Source: 7F11014-01

Prepared & Analyzed: 06/15/07

Sulfate 104 12.5 mg/L 104 0.00 20

Chloride 734 12.5 " 731 0.410 20

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte                                              | Result | Reporting<br>Limit                           | Units | Spike<br>Level                               | Source<br>Result | %REC | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|------------------------------------------------------|--------|----------------------------------------------|-------|----------------------------------------------|------------------|------|----------------|------|--------------|-------|
| <b>Batch EF71504 - General Preparation (WetChem)</b> |        |                                              |       |                                              |                  |      |                |      |              |       |
| <b>Duplicate (EF71504-DUP2)</b>                      |        | <b>Source: 7F11017-01</b>                    |       | <b>Prepared &amp; Analyzed: 06/15/07</b>     |                  |      |                |      |              |       |
| Sulfate                                              | 76.7   | 5.00                                         | mg/L  |                                              | 77.6             |      |                | 1.17 | 20           |       |
| Chloride                                             | 67.9   | 5.00                                         | "     |                                              | 69.9             |      |                | 2.90 | 20           |       |
| <b>Matrix Spike (EF71504-MS1)</b>                    |        | <b>Source: 7F11014-01</b>                    |       | <b>Prepared &amp; Analyzed: 06/15/07</b>     |                  |      |                |      |              |       |
| Chloride                                             | 992    | 12.5                                         | mg/L  | 250                                          | 731              | 104  | 80-120         |      |              |       |
| Sulfate                                              | 354    | 12.5                                         | "     | 250                                          | 104              | 100  | 80-120         |      |              |       |
| <b>Matrix Spike (EF71504-MS2)</b>                    |        | <b>Source: 7F11017-01</b>                    |       | <b>Prepared &amp; Analyzed: 06/15/07</b>     |                  |      |                |      |              |       |
| Sulfate                                              | 174    | 5.00                                         | mg/L  | 100                                          | 77.6             | 96.4 | 80-120         |      |              |       |
| Chloride                                             | 168    | 5.00                                         | "     | 100                                          | 69.9             | 98.1 | 80-120         |      |              |       |
| <b>Batch EF71519 - General Preparation (WetChem)</b> |        |                                              |       |                                              |                  |      |                |      |              |       |
| <b>Blank (EF71519-BLK1)</b>                          |        | <b>Prepared: 06/12/07 Analyzed: 06/15/07</b> |       |                                              |                  |      |                |      |              |       |
| Total Dissolved Solids                               | ND     | 10.0                                         | mg/L  |                                              |                  |      |                |      |              |       |
| <b>Duplicate (EF71519-DUP1)</b>                      |        | <b>Source: 7F11009-01</b>                    |       | <b>Prepared: 06/12/07 Analyzed: 06/15/07</b> |                  |      |                |      |              |       |
| Total Dissolved Solids                               | 24600  | 10.0                                         | mg/L  |                                              | 23000            |      |                | 6.72 | 20           |       |
| <b>Duplicate (EF71519-DUP2)</b>                      |        | <b>Source: 7F11014-03</b>                    |       | <b>Prepared: 06/12/07 Analyzed: 06/15/07</b> |                  |      |                |      |              |       |
| Total Dissolved Solids                               | 1380   | 10.0                                         | mg/L  |                                              | 1340             |      |                | 2.94 | 20           |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EF71902 - 6010B/No Digestion**

**Blank (EF71902-BLK1)**

Prepared & Analyzed: 06/19/07

|           |    |        |      |  |  |  |  |  |  |  |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium   | ND | 0.0810 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.0360 | "    |  |  |  |  |  |  |  |
| Potassium | ND | 0.0600 | "    |  |  |  |  |  |  |  |
| Sodium    | ND | 0.0430 | "    |  |  |  |  |  |  |  |

**Calibration Check (EF71902-CCV1)**

Prepared & Analyzed: 06/19/07

|           |      |  |      |      |  |     |        |  |  |  |
|-----------|------|--|------|------|--|-----|--------|--|--|--|
| Calcium   | 2.04 |  | mg/L | 2.00 |  | 102 | 85-115 |  |  |  |
| Magnesium | 2.00 |  | "    | 2.00 |  | 100 | 85-115 |  |  |  |
| Potassium | 2.13 |  | "    | 2.00 |  | 106 | 85-115 |  |  |  |
| Sodium    | 2.04 |  | "    | 2.00 |  | 102 | 85-115 |  |  |  |

**Duplicate (EF71902-DUP1)**

Source: 7F11010-01

Prepared & Analyzed: 06/19/07

|           |      |       |      |  |      |  |  |      |    |  |
|-----------|------|-------|------|--|------|--|--|------|----|--|
| Calcium   | 956  | 40.5  | mg/L |  | 940  |  |  | 1.69 | 20 |  |
| Magnesium | 337  | 3.60  | "    |  | 346  |  |  | 2.64 | 20 |  |
| Potassium | 29.9 | 0.600 | "    |  | 30.9 |  |  | 3.29 | 20 |  |
| Sodium    | 2970 | 21.5  | "    |  | 2940 |  |  | 1.02 | 20 |  |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME P-6 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By:



Date:

6/27/2007

Brent Barron, Laboratory Director/Corp. Technical Director  
Celey D. Keene, Org. Tech Director  
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer  
Jeanne Mc Murrey, Inorg. Tech Director

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

A Xenco Laboratories Company

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# Environmental Lab of Texas

## Variance/ Corrective Action Report- Sample Log-In

Client: Rice  
 Date/ Time: 6-11-07 4:30  
 Lab ID #: 7E11010  
 Initials: GL

### Sample Receipt Checklist

|     |                                                        |            |    | Client Initials          |
|-----|--------------------------------------------------------|------------|----|--------------------------|
| #1  | Temperature of container/ cooler?                      | <u>Yes</u> | No | <u>S. C</u> °C           |
| #2  | Shipping container in good condition?                  | <u>Yes</u> | No |                          |
| #3  | Custody Seals intact on shipping container/ cooler?    | <u>Yes</u> | No | Not Present              |
| #4  | Custody Seals intact on sample bottles/ container?     | <u>Yes</u> | No | Not Present              |
| #5  | Chain of Custody present?                              | <u>Yes</u> | No |                          |
| #6  | Sample instructions complete of Chain of Custody?      | <u>Yes</u> | No |                          |
| #7  | Chain of Custody signed when relinquished/ received?   | <u>Yes</u> | No |                          |
| #8  | Chain of Custody agrees with sample label(s)?          | <u>Yes</u> | No | ID written on Cont / Lid |
| #9  | Container label(s) legible and intact?                 | <u>Yes</u> | No | Not Applicable           |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No |                          |
| #11 | Containers supplied by ELOT?                           | <u>Yes</u> | No |                          |
| #12 | Samples in proper container/ bottle?                   | <u>Yes</u> | No | See Below                |
| #13 | Samples properly preserved?                            | <u>Yes</u> | No | See Below                |
| #14 | Sample bottles intact?                                 | <u>Yes</u> | No |                          |
| #15 | Preservations documented on Chain of Custody?          | <u>Yes</u> | No |                          |
| #16 | Containers documented on Chain of Custody?             | <u>Yes</u> | No |                          |
| #17 | Sufficient sample amount for indicated test(s)?        | <u>Yes</u> | No | See Below                |
| #18 | All samples received within sufficient hold time?      | <u>Yes</u> | No | See Below                |
| #19 | Subcontract of sample(s)?                              | <u>Yes</u> | No | Not Applicable           |
| #20 | VOC samples have zero headspace?                       | <u>Yes</u> | No | Not Applicable           |

### Variance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

- Check all that Apply:
- ☐ See attached e-mail/ fax
  - ☐ Client understands and would like to proceed with analysis
  - ☐ Cooling process had begun shortly after sampling event





# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: KRISTIN FARRIS-POPE  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

Receiving Date: 08/24/07  
Reporting Date: 08/29/07  
Project Number: NOT GIVEN  
Project Name: EME P-6 LEAK  
Project Location: T20S-R37E-SEC6 P ~ LEA COUNTY, NM

Sampling Date: 08/23/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: KS  
Analyzed By: BC

| LAB NUMBER                  | SAMPLE ID         | BENZENE<br>(mg/L) | TOLUENE<br>(mg/L) | ETHYL<br>BENZENE<br>(mg/L) | TOTAL<br>XYLENES<br>(mg/L) |
|-----------------------------|-------------------|-------------------|-------------------|----------------------------|----------------------------|
| ANALYSIS DATE               |                   | 08/29/07          | 08/29/07          | 08/29/07                   | 08/29/07                   |
| H13173-3                    | MONITOR WELL P6-3 | <0.002            | <0.002            | <0.002                     | <0.006                     |
| H13173-4                    | MONITOR WELL P6-4 | <0.002            | <0.002            | <0.002                     | <0.006                     |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
| Quality Control             |                   | 0.091             | 0.093             | 0.094                      | 0.265                      |
| True Value QC               |                   | 0.100             | 0.100             | 0.100                      | 0.300                      |
| % Recovery                  |                   | 90.9              | 92.9              | 94.0                       | 88.3                       |
| Relative Percent Difference |                   | 2.1               | 1.8               | 0.6                        | 0.2                        |

METHOD: EPA SW-846 8260

Chemist

Date

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# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: KRISTIN FARRIS-POPE  
122 W. TAYLOR STREET  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

Receiving Date: 08/24/07  
Reporting Date: 08/30/07  
Project Owner: NOT GIVEN  
Project Name: EME P-6 LEAK  
Project Location: T20S-R37E-SEC6 P-LEA COUNTY, NM

Sampling Date: 08/23/07  
Sample Type: WATER  
Sample Condition: COOL & INTACT  
Sample Received By: KS  
Analyzed By: HM/KS

| LAB NUMBER                  | SAMPLE ID         | Na<br>(mg/L) | Ca<br>(mg/L) | Mg<br>(mg/L) | K<br>(mg/L) | Conductivity<br>( $\mu$ S/cm) | T-Alkalinity<br>(mgCaCO <sub>3</sub> /L) |
|-----------------------------|-------------------|--------------|--------------|--------------|-------------|-------------------------------|------------------------------------------|
| ANALYSIS DATE:              |                   | 08/30/07     | 08/30/07     | 08/30/07     | 08/30/07    | 08/27/07                      | 08/29/07                                 |
| H13173-1                    | MONITOR WELL P6-1 | 2828         | 1084         | 367          | 22.0        | 19,200                        | 200                                      |
| H13173-2                    | MONITOR WELL P6-2 | 2095         | 745          | 270          | 12.0        | 14,250                        | 204                                      |
| H13173-3                    | MONITOR WELL P6-3 | 3035         | 1264         | 464          | 20.6        | 21,600                        | 200                                      |
| H13173-4                    | MONITOR WELL P6-4 | 2538         | 878          | 307          | 17.8        | 16,810                        | 208                                      |
| Quality Control             |                   | NR           | 50.6         | 51.6         | 1.91        | 1423                          | NR                                       |
| True Value QC               |                   | NR           | 50.0         | 50.0         | 2.00        | 1413                          | NR                                       |
| % Recovery                  |                   | NR           | 101          | 103          | 95.7        | 101                           | NR                                       |
| Relative Percent Difference |                   | NR           | 2.5          | 4.8          | 1.6         | 0.4                           | NR                                       |

|          |             |           |      |       |       |
|----------|-------------|-----------|------|-------|-------|
| METHODS: | SM3500-Ca-D | 3500-Mg E | 8049 | 120.1 | 310.1 |
|----------|-------------|-----------|------|-------|-------|

|                                 | Cl <sup>-</sup><br>(mg/L) | SO <sub>4</sub><br>(mg/L) | CO <sub>3</sub><br>(mg/L) | HCO <sub>3</sub><br>(mg/L) | pH<br>(s.u.) | TDS<br>(mg/L) |
|---------------------------------|---------------------------|---------------------------|---------------------------|----------------------------|--------------|---------------|
| ANALYSIS DATE:                  | 08/27/07                  | 08/27/07                  | 08/29/07                  | 08/29/07                   | 08/27/07     | 08/29/07      |
| H13173-1      MONITOR WELL P6-1 | 6,448                     | 1,071                     | 0                         | 244                        | 6.75         | 15,826        |
| H13173-2      MONITOR WELL P6-2 | 4,649                     | 759                       | 0                         | 249                        | 6.85         | 11,613        |
| H13173-3      MONITOR WELL P6-3 | 7,448                     | 963                       | 0                         | 244                        | 6.78         | 17,464        |
| H13173-4      MONITOR WELL P6-4 | 5,498                     | 1,004                     | 0                         | 254                        | 6.85         | 13,746        |
|                                 |                           |                           |                           |                            |              |               |
| Quality Control                 | 500                       | 26.1                      | NR                        | 964                        | 6.98         | NR            |
| True Value QC                   | 500                       | 25.0                      | NR                        | 1000                       | 7.00         | NR            |
| % Recovery                      | 100                       | 104                       | NR                        | 96.4                       | 99.7         | NR            |
| Relative Percent Difference     | < 0.1                     | 2.8                       | NR                        | 2.6                        | 0.6          | NR            |

|          |             |       |       |       |       |       |
|----------|-------------|-------|-------|-------|-------|-------|
| METHODS: | SM4500-Cl-B | 375.4 | 310.1 | 310.1 | 150.1 | 160.1 |
|----------|-------------|-------|-------|-------|-------|-------|

Chemist

Date

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# ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: KRISTIN FARRIS-POPE  
122 W. TAYLOR STREET  
HOBBS, NM 88240  
FAX TO: (575) 397-1471

Receiving Date: 11/09/07  
Reporting Date: 11/19/07  
Project Number: NOT GIVEN  
Project Name: EME P-6 LEAK  
Project Location: T20S-R37E-SEC6 P~LEA COUNTY, NM

Sampling Date: 11/08/07  
Sample Type: WATER  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: HM/KS

| LAB NUMBER                  | SAMPLE ID         | Na<br>(mg/L) | Ca<br>(mg/L) | Mg<br>(mg/L) | K<br>(mg/L) | Conductivity<br>( $\mu$ S/cm) | T-Alkalinity<br>(mgCaCO <sub>3</sub> /L) |
|-----------------------------|-------------------|--------------|--------------|--------------|-------------|-------------------------------|------------------------------------------|
| ANALYSIS DATE:              |                   | 11/16/07     | 11/16/07     | 11/16/07     | 11/15/07    | 11/14/07                      | 11/14/07                                 |
| H13680-1                    | MONITOR WELL P6-1 | 3,056        | 998          | 363          | 23.0        | 17,890                        | 256                                      |
| H13680-2                    | MONITOR WELL P6-2 | 2,200        | 679          | 226          | 17.7        | 13,430                        | 272                                      |
| H13680-3                    | MONITOR WELL P6-3 | 3,052        | 1,250        | 444          | 20.9        | 20,450                        | 260                                      |
| H13680-4                    | MONITOR WELL P6-4 | 2,504        | 785          | 294          | 19.1        | 15,640                        | 260                                      |
| Quality Control             |                   | NR           | 49.2         | 51.6         | 2.95        | 1,415                         | NR                                       |
| True Value QC               |                   | NR           | 50.0         | 50.0         | 3.00        | 1,413                         | NR                                       |
| % Recovery                  |                   | NR           | 98.5         | 103          | 98.3        | 100                           | NR                                       |
| Relative Percent Difference |                   | NR           | < 0.1        | 1.5          | 5.0         | 0.1                           | NR                                       |

|          |             |           |      |       |       |
|----------|-------------|-----------|------|-------|-------|
| METHODS: | SM3500-Ca-D | 3500-Mg E | 8049 | 120.1 | 310.1 |
|----------|-------------|-----------|------|-------|-------|

|                             |                   | Cl <sup>-</sup><br>(mg/L) | SO <sub>4</sub><br>(mg/L) | CO <sub>3</sub><br>(mg/L) | HCO <sub>3</sub><br>(mg/L) | pH<br>(s.u.) | TDS<br>(mg/L) |
|-----------------------------|-------------------|---------------------------|---------------------------|---------------------------|----------------------------|--------------|---------------|
| ANALYSIS DATE:              |                   | 11/15/07                  | 11/16/07                  | 11/14/07                  | 11/14/07                   | 11/14/07     | 11/14/07      |
| H13680-1                    | MONITOR WELL P6-1 | 6,500                     | 1,200                     | 0                         | 312                        | 6.78         | 12,186        |
| H13680-2                    | MONITOR WELL P6-2 | 4,450                     | 857                       | 0                         | 332                        | 6.77         | 8,643         |
| H13680-3                    | MONITOR WELL P6-3 | 7,300                     | 1,030                     | 0                         | 317                        | 6.66         | 13,695        |
| H13680-4                    | MONITOR WELL P6-4 | 5,300                     | 879                       | 0                         | 317                        | 6.76         | 10,261        |
| Quality Control             |                   | 500                       | 24.3                      | NR                        | 1000                       | 6.95         | NR            |
| True Value QC               |                   | 500                       | 25.0                      | NR                        | 1000                       | 7.00         | NR            |
| % Recovery                  |                   | 100                       | 97.0                      | NR                        | 100                        | 99.3         | NR            |
| Relative Percent Difference |                   | < 0.1                     | 3.5                       | NR                        | < 0.1                      | 0.7          | NR            |

|          |             |       |       |       |       |       |
|----------|-------------|-------|-------|-------|-------|-------|
| METHODS: | SM4500-Cl-B | 375.4 | 310.1 | 310.1 | 150.1 | 160.1 |
|----------|-------------|-------|-------|-------|-------|-------|

*Kristin S. Pope*  
Chemist

*11/19/07*  
Date



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

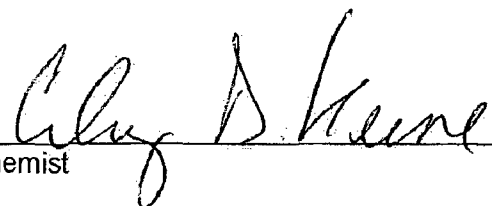
ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: KRISTIN FARRIS-POPE  
122 WEST TAYLOR  
HOBBS, NM 88240  
FAX TO: (575) 397-1471

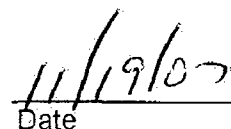
Receiving Date: 11/09/07  
Reporting Date: 11/13/07  
Project Number: NOT GIVEN  
Project Name: EME P-6 LEAK  
Project Location: T20S R37E SEC6 P - LEA COUNTY, NM

Sampling Date: 11/08/07  
Sample Type: WATER  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: AB

| LAB NUMBER                  | SAMPLE ID         | BENZENE<br>(mg/L) | TOLUENE<br>(mg/L) | ETHYL<br>BENZENE<br>(mg/L) | TOTAL<br>XYLENES<br>(mg/L) |
|-----------------------------|-------------------|-------------------|-------------------|----------------------------|----------------------------|
| ANALYSIS DATE               |                   | 11/12/07          | 11/12/07          | 11/12/07                   | 11/12/07                   |
| H13680-3                    | MONITOR WELL P6-3 | <0.001            | <0.001            | <0.001                     | <0.003                     |
| H13680-4                    | MONITOR WELL P6-4 | <0.001            | <0.001            | <0.001                     | <0.003                     |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
|                             |                   |                   |                   |                            |                            |
| Quality Control             |                   | 0.116             | 0.108             | 0.109                      | 0.332                      |
| True Value QC               |                   | 0.100             | 0.100             | 0.100                      | 0.300                      |
| % Recovery                  |                   | 116               | 108               | 109                        | 111                        |
| Relative Percent Difference |                   | 0.8               | 1.6               | 1.5                        | 1.3                        |

METHOD: EPA SW-846 8021B

  
Chemist

  
Date

H13680b Rice

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions; loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|                                                                     |  |                                                               |  |                                                                    |  |
|---------------------------------------------------------------------|--|---------------------------------------------------------------|--|--------------------------------------------------------------------|--|
| Company Name: <b>RICE Operating Company</b>                         |  | BILL TO Company: <b>RICE Operating Company</b>                |  | PO#                                                                |  |
| Project Manager: <b>Kristin Farris-Pope, Project Scientist</b>      |  | Address: <b>122 W Taylor Street ~ Hobbs, New Mexico 88240</b> |  | (Street, City, Zip)                                                |  |
| Address: <b>(Street, City, Zip)</b>                                 |  | Phone#: <b>(505) 393-9174</b>                                 |  | Fax#: <b>(505) 397-1471</b>                                        |  |
| Phone #: <b>(505) 393-9174</b>                                      |  | Fax #: <b>(505) 397-1471</b>                                  |  |                                                                    |  |
| Project #: <b>EME P-6 Leak</b>                                      |  | Project Name: <b>Sample Signature</b>                         |  | Rozanne Johnson (505) 631-9310                                     |  |
| Project Location: <b>T20S-R37E-Sec6 P ~ Lea County - New Mexico</b> |  | Sampler Signature: <b>Rozanne Johnson</b>                     |  | rozanne@valonnet.com                                               |  |
| LAB #                                                               |  | FIELD CODE                                                    |  |                                                                    |  |
| (LAB USE ONLY)                                                      |  | (G)rab or (C)omp                                              |  | # CONTAINERS                                                       |  |
|                                                                     |  |                                                               |  | WATER                                                              |  |
|                                                                     |  |                                                               |  | SOIL                                                               |  |
|                                                                     |  |                                                               |  | AIR                                                                |  |
|                                                                     |  |                                                               |  | SLUDGE                                                             |  |
|                                                                     |  |                                                               |  | HCL (2 40ml VOA)                                                   |  |
|                                                                     |  |                                                               |  | HNO <sub>3</sub>                                                   |  |
|                                                                     |  |                                                               |  | NaHSO <sub>4</sub>                                                 |  |
|                                                                     |  |                                                               |  | H <sub>2</sub> SO <sub>4</sub>                                     |  |
|                                                                     |  |                                                               |  | ICE (1-1Liter HDPE)                                                |  |
|                                                                     |  |                                                               |  | NONE                                                               |  |
|                                                                     |  |                                                               |  | DATE (2007)                                                        |  |
|                                                                     |  |                                                               |  | TIME                                                               |  |
|                                                                     |  |                                                               |  | MTBE 8021B/602                                                     |  |
|                                                                     |  |                                                               |  | BTEX 8021B/602                                                     |  |
|                                                                     |  |                                                               |  | TPH 418.1/TX1005 / TX1005 Extended (C35)                           |  |
|                                                                     |  |                                                               |  | PAH 8270C                                                          |  |
|                                                                     |  |                                                               |  | Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/200.7                   |  |
|                                                                     |  |                                                               |  | TCLP Metals Ag As Ba Cd Cr Pb Se Hg                                |  |
|                                                                     |  |                                                               |  | TCLP Volatiles                                                     |  |
|                                                                     |  |                                                               |  | TCLP Semi Volatiles                                                |  |
|                                                                     |  |                                                               |  | TCLP Pesticides                                                    |  |
|                                                                     |  |                                                               |  | RCI                                                                |  |
|                                                                     |  |                                                               |  | GC/MS Vol. 8260B/624                                               |  |
|                                                                     |  |                                                               |  | GC/MS Semi. Vol. 8270C/625                                         |  |
|                                                                     |  |                                                               |  | PCB's 8082/608                                                     |  |
|                                                                     |  |                                                               |  | Pesticides 8081A/608                                               |  |
|                                                                     |  |                                                               |  | BOD, TSS, pH                                                       |  |
|                                                                     |  |                                                               |  | Moisture Content                                                   |  |
|                                                                     |  |                                                               |  | Cations (Ca, Mg, Na, K)                                            |  |
|                                                                     |  |                                                               |  | Anions (Cl, SO <sub>4</sub> , CO <sub>3</sub> , HCO <sub>3</sub> ) |  |
|                                                                     |  |                                                               |  | Total Dissolved Solids                                             |  |
|                                                                     |  |                                                               |  | Chlorides                                                          |  |
|                                                                     |  |                                                               |  | Turn Around Time ~ 24 Hours                                        |  |

## ATTACHMENT C

### Field Data Forms

# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1  
 SYSTEM: EME DATE: February 28, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.94 Feet  
 DEPTH TO WATER: 31.32 Feet  
 HEIGHT OF WATER COLUMN: 16.62 Feet  
 WELL VOLUME: 2.7 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 10:00 | 19.8        | 20.12          | 6.67 | Silt to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      |                                   |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for Major Ions and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1  
 SYSTEM: EME DATE: June 6, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.94 Feet  
 DEPTH TO WATER: 31.31 Feet  
 HEIGHT OF WATER COLUMN: 16.63 Feet  
 WELL VOLUME: 2.7 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 13:15 | 20.5        | 19.56          | 6.65 | Silt to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      |                                   |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

COMMENTS:  
Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.  
Delivered samples to Environmental Lab of Texas in Odessa, Texas for Major Ions and TDS analysis.  
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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1  
 SYSTEM: EME DATE: August 23, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.94 Feet  
 DEPTH TO WATER: 31.56 Feet  
 HEIGHT OF WATER COLUMN: 16.38 Feet  
 WELL VOLUME: 2.6 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 11:30 | 20.9        | 19.17          | 6.69 | Silt to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      |                                   |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1  
 SYSTEM: EME DATE: November 8, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.94 Feet  
 DEPTH TO WATER: 31.54 Feet  
 HEIGHT OF WATER COLUMN: 16.40 Feet  
 WELL VOLUME: 2.6 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|------|-------------|----------------|------|-----------------------------------|
|      |             |                |      |                                   |
| 8:25 | 18.8        | 18.54          | 6.61 | Silt to Clear / No Odor           |
|      |             |                |      | Samples Collected                 |
|      |             |                |      |                                   |
|      |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|      |             |                |      |                                   |
|      |             |                |      |                                   |
|      |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for Major Ions, and TDS analysis.

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### WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2  
SYSTEM: EME DATE: February 28, 2007  
SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 71.82 Feet  
DEPTH TO WATER: 31.17 Feet  
HEIGHT OF WATER COLUMN: 40.65 Feet  
WELL VOLUME: 6.5 Gal. 2 In. Well Diameter  
20 Gallons purged prior to sampling

| TIME | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|------|-------------|----------------|------|-----------------------------------|
|      |             |                |      |                                   |
| 9:15 | 20.3        | 15.34          | 6.75 | Clear / No Odor                   |
|      |             |                |      | Samples Collected                 |
|      |             |                |      |                                   |
|      |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|      |             |                |      |                                   |
|      |             |                |      |                                   |
|      |             |                |      |                                   |

#### COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for Major Ions and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2  
 SYSTEM: EME DATE: June 6, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 71.82 Feet  
 DEPTH TO WATER: 31.16 Feet  
 HEIGHT OF WATER COLUMN: 40.66 Feet  
 WELL VOLUME: 6.5 Gal. 2 In. Well Diameter  
20 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 12:30 | 20.5        | 14.83          | 6.73 | Clear / No Odor                   |
|       |             |                |      | Samples Collected                 |
|       |             |                |      |                                   |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for Major Ions and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2  
 SYSTEM: EME DATE: August 23, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 71.82 Feet  
 DEPTH TO WATER: 31.58 Feet  
 HEIGHT OF WATER COLUMN: 40.24 Feet  
 WELL VOLUME: 6.4 Gal. 2 in. Well Diameter  
20 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 10:40 | 20.7        | 14.14          | 6.68 | Sand to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      |                                   |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

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### WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2  
SYSTEM: EME DATE: November 8, 2007  
SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 71.82 Feet  
DEPTH TO WATER: 31.61 Feet  
HEIGHT OF WATER COLUMN: 40.21 Feet  
WELL VOLUME: 6.4 Gal. 2 In. Well Diameter  
20 Gallons purged prior to sampling

| TIME | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|------|-------------|----------------|------|-----------------------------------|
|      |             |                |      |                                   |
| 7:20 | 18.6        | 13.54          | 6.65 | Sand to Clear / No Odor           |
|      |             |                |      | Samples Collected                 |
|      |             |                |      |                                   |
|      |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|      |             |                |      |                                   |
|      |             |                |      |                                   |
|      |             |                |      |                                   |

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for Major Ions, and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #3  
 SYSTEM: EME DATE: February 28, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.14 Feet  
 DEPTH TO WATER: 32.62 Feet  
 HEIGHT OF WATER COLUMN: 18.52 Feet  
 WELL VOLUME: 3.0 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 11:50 | 20.1        | 22.13          | 6.58 | Sand to Clear / Slight Odor       |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

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### WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #3  
SYSTEM: EME DATE: June 6, 2007  
SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.14 Feet  
DEPTH TO WATER: 32.61 Feet  
HEIGHT OF WATER COLUMN: 18.53 Feet  
WELL VOLUME: 3.0 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 14:45 | 20.5        | 21.73          | 6.53 | Sand to Clear / Slight Odor       |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #3  
 SYSTEM: EME DATE: August 23, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.14 Feet  
 DEPTH TO WATER: 32.84 Feet  
 HEIGHT OF WATER COLUMN: 18.30 Feet  
 WELL VOLUME: 2.9 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 13:05 | 20.9        | 21.40          | 6.59 | Sand to Clear / Slight Odor       |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

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### WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #3  
SYSTEM: EME DATE: November 8, 2007  
SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.14 Feet  
DEPTH TO WATER: 32.76 Feet  
HEIGHT OF WATER COLUMN: 18.38 Feet  
WELL VOLUME: 2.9 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|------|-------------|----------------|------|-----------------------------------|
| 9:20 | 18.7        | 20.87          | 6.56 | Sand to Clear / Slight Odor       |
|      |             |                |      | Samples Collected                 |
|      |             |                |      | BTEX (2-40ml VOA)                 |
|      |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|      |             |                |      |                                   |
|      |             |                |      |                                   |
|      |             |                |      |                                   |

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #4  
 SYSTEM: EME DATE: February 28, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.00 Feet  
 DEPTH TO WATER: 31.57 Feet  
 HEIGHT OF WATER COLUMN: 19.43 Feet  
 WELL VOLUME: 3.1 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 10:55 | 20.1        | 18.40          | 6.76 | Sand to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

COMMENTS: \_\_\_\_\_

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #4  
 SYSTEM: EME DATE: June 6, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.00 Feet  
 DEPTH TO WATER: 31.56 Feet  
 HEIGHT OF WATER COLUMN: 19.44 Feet  
 WELL VOLUME: 3.1 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
| 14:00 | 20.4        | 17.41          | 6.71 | Sand to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

COMMENTS: \_\_\_\_\_

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.  
 Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.  
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### WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #4  
 SYSTEM: EME DATE: August 23, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.00 Feet  
 DEPTH TO WATER: 31.86 Feet  
 HEIGHT OF WATER COLUMN: 19.14 Feet  
 WELL VOLUME: 3.1 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 12:15 | 20.8        | 16.67          | 6.79 | Sand to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

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# WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #4  
 SYSTEM: EME DATE: November 8, 2007  
 SITE LOCATION: P-6 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump  
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: \_\_\_\_\_

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 51.00 Feet  
 DEPTH TO WATER: 31.83 Feet  
 HEIGHT OF WATER COLUMN: 19.17 Feet  
 WELL VOLUME: 3.1 Gal. 2 In. Well Diameter  
10 Gallons purged prior to sampling

| TIME  | TEMP.<br>°C | COND.<br>mS/cm | pH   | PHYSICAL APPEARANCE AND REMARKS   |
|-------|-------------|----------------|------|-----------------------------------|
|       |             |                |      |                                   |
| 10:10 | 18.5        | 16.11          | 6.84 | Sand to Clear / No Odor           |
|       |             |                |      | Samples Collected                 |
|       |             |                |      | BTEX (2-40ml VOA)                 |
|       |             |                |      | Major Ions/TDS (1-1000ml Plastic) |
|       |             |                |      |                                   |
|       |             |                |      |                                   |
|       |             |                |      |                                   |

## COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.